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Space Transportation System and Associated Payloads: Glossary, Acronyms, and Abbreviations

Compiled by Management Operations Office
and Space Shuttle Projects Office

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This is a collection of some of the acronyms and abbreviations now in everyday use in the shuttle world. It is a combination of lists that have been prepared at Marshall Space Flight Center and Kennedy and Johnson Space Centers, places where intensive shuttle activities are being carried out. This list is intended as a guide or reference and should not be considered to have the status and sanction of a dictionary.

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PREFACE

This is a collection of some of the acronyms and abbreviations now in everyday use in the shuttle world. It is a combination of lists that have been prepared at Marshall Space Flight Center and Kennedy and Johnson Space Centers, places where intensive shuttle activities are being carried out. In the nature of acronyms—which are compressed identifiers of systems or structures felt to be too long and cumbersome to be spelled out in the normal fashion—the list is neither comprehensive nor totally up to date. This guide should be used in conjunction with the *Government Printing Office Style Manual*, following the *GPO* rules of capitalization, punctuation, spelling, etc. This list is intended as a guide or reference and should not be considered to have the status and sanction of a dictionary.

The transience of technical acronyms is best demonstrated by contrasting this list with the special lingo and jargon employed during the days of Apollo. A limited number of terms are the same, but the working groups speak in a different dialect. Perhaps the best way to think of this collection is as a phrasebook to help observers make their way in comprehending parts of a brand-new world.

SECTION I
GLOSSARY

A

Accelerated Launch Date Option
Schedule option involving additional costs that permits a user who has already negotiated a launch date to specify an earlier launch.

Acceptance Tests
Tests to determine that a part, component, subsystem, or facility is capable of meeting performance requirements prescribed in purchase specifications, or other documents specifying what constitutes the adequate performance capability for the item.

Aft Flight Deck
That part of the orbiter cabin on the upper deck where payload controls can be located.

Airlock
A compartment, capable of being depressurized without depressurization of the orbiter cabin, used to transfer crewmembers and equipment. A similar compartment in the Spacelab module is used to expose experiments to space.

Announcement of Flight Opportunity
The process by which proposed investigations are solicited for a specific space flight.

Announcement of Flight Periods
The process by which proposed investigations are solicited for space flight within a designated time period, but without a specific flight number identification. The flight period may include plans for one or more flights.

Assembly
A number of parts, or subassemblies and/or any combination thereof, joined together to perform a specific function and capable of disassembly. The distinction between an assembly and a subassembly is determined by the individual application. An assembly in one instance may be a subassembly in another, where it forms a portion of an assembly.

Atlas-Centaur Class
Payloads weighing approximately 4,000 to 4,400 pounds (1,800 to 2,000 kilograms).

Attaching Part
An item used to attach subassemblies or parts to the equipment, or to each other.

Automated Payloads
Those payloads which are supported by an unmanned spacecraft capable of operating independently of the Space Transportation System (STS).

Auxiliary Stage
A small propulsion unit used with a payload, when required. One or more of these units may be used with a payload to provide the additional velocity required to place a payload in the desired orbit or trajectory. Also, a propulsion system that is used to provide midcourse trajectory corrections, braking maneuvers, and/or orbital adjustments.

Azimuth
True launch heading measured clockwise from 0° north.

B

Barbecue Mode
Orbiter in slow roll for thermal conditioning.

Beta Angle
Minimum angle between the Earth-Sun line and the plane of the orbit.

Bill of Work
A detailed work schedule which lists all operation and maintenance (O&M) tasks required to be performed at each work station for a specific vehicle turnaround. It also contains applicable information such as sequence of performance, O&M instruction number, work authorization number, time allocated, manpower, skill level, and the start and completion date.

C

Capture
The event of the remote manipulator system end effector making contact with and firmly attaching to a payload grappling fixture. A payload is captured at any time it is firmly attached to the remote manipulator system.

Cargo
The total complement of payloads (one or more) on any one flight. It includes everything contained in the orbiter cargo bay plus other equipment, hardware, and consumables located elsewhere in the orbiter that are user-unique and are not carried as part of the basic orbiter payload support.

Cargo Bay
The unpressurized mid part of the orbiter fuselage behind the cabin aft bulkhead where most payloads are carried. Its maximum usable payload envelope is 15 feet (4.6 meters) in diameter and 60-feet (18.3-meters) long. Hinged doors extend the full length of the bay.

Cargo Bay Liner
Protective soft material used to isolate sensitive payloads from the bay structure.

Cargo Integration Review
Part of Space Transportation System (STS) planning process that results in a cargo manifest, cost per flight, and billing schedule.

Cargo Integration Test Equipment
Setup that can provide testing of both payload-to-payload and cargo-to-orbiter interfaces.

Certificate of Compliance
Documentation prepared by the user confirming that a payload has successfully completed interface verification.

Certification
Formal documentation that the individual has reached the prescribed skill or knowledge level as cited in a NASA specification, contract specification, or other appropriate documents.

Commander
This crewmember has ultimate responsibility for the safety of embarked personnel and has authority throughout the flight to deviate from the flight plan, procedures, and personnel assignments as necessary to preserve crew safety or vehicle integrity. The commander is also responsible for the overall execution of the flight plan in compliance with NASA policy, mission rules, and Mission Control Center (MCC) directives.

Commercial Part or Item
A part or item which is manufactured primarily for the commercial rather than the government market and having both commercial and government applications. Commercial parts also include parts which are manufactured in accordance with normal commercial quality controlled production runs which meet or exceed the requirements of government specifications or standards.

Common Payload Support Equipment
Spacelab-provided mission-dependent equipment that consists of a top airlock and a viewport/window assembly.

Component
An assembly or any combination of parts, subassemblies and assemblies, and assemblies mounted together and normally capable of independent operation in a variety of situations.

Concurrent Delivery
The delivery of support items concurrently with the end item being provisioned.

Condition Monitored
Those items that have neither limited life nor on-condition maintenance as their primary maintenance process. Condition monitoring is accomplished mainly by in-place instrumentation, sampling, and subsequent trending analysis which provides data to predict an incipient failure.

Construction Award
The effective date of direction from the NASA contracting office to the selected contractor authorizing commencement of work. Issue of the Notice of Award by the NASA procurement office completes this milestone.

Construction Complete
Appropriate facility construction is complete and the facility is available for equipment installation. Certification by the site activation office completes this milestone.

Contract Award
The effective date of direction from the NASA contracting office to the selected contractor authorizing commencement of work. Issue of Notice of Award by the NASA procurement office completes this milestone.

Contractor
The supplier of the end item and associated support items to the Government under the terms of a specific contract.

Core Segment
Section of the pressurized Spacelab module that houses subsystem equipment and experiments.

Crew Activity Planning
The analysis and development of activities to be performed in flight by the crew, resulting in a time line of these activities and reference data for each flight.

Customer (or User)
An organization or individual requiring the services of the Space Transportation System (STS).

D

Deadband
That attitude and rate control region in which no orbiter reaction control subsystem or vernier correction forces are being generated.

Dedicated Spacelab
An extension module devoted to a single discipline which may fly more than once a year for several years, and which may be assigned to a payload development center.

Deep Space Network
Communications network managed by the Jet Propulsion Laboratory for command and control of all planetary flights.

Delta Class
Payloads weighing approximately 2,000 to 2,500 pounds (900 to 1,100 kilograms).

Deployment
The process of removing a payload from a stowed or berthed position in the cargo bay and releasing that payload to position free of the orbiter.

Design Change
A NASA approved engineering change incorporated into the end item which modifies, adds to, deletes, or supersedes parts in the end item.

Design Reviews

Critical Design Review
A meeting chaired by the appropriate project manager, or his designated representative, to assure that the completed designs are in consonance with level II and project specifications.

Preliminary Design Review
A meeting chaired by the appropriate project manager, or his designated representative, at which preliminary designs are reviewed with prime contractors to assure compliance with system and project requirements.

30-Percent Design Review
A meeting chaired by the responsible project engineer, or his designated representative, at which preliminary designs are reviewed to assure satisfaction of system and project requirements.

90-Percent Design Review
A meeting chaired by the responsible project engineer, or his designated representative, at which final designs are reviewed to assure compliance with system and project specifications.

Downweight
Landing weight. It refers specifically to payloads and all items required by specific payloads.

Drawings
Graphic data, including drawings as defined in MIL-STD-100A and prepared in accordance with MIL-D-1000, Category D, aperture cards in accordance with MIL-D-9877; graphs, or diagrams, industry standards and industry specifications, on which details are represented with sufficient information to define completely, directly or by reference, the end result in the selection, procurement, and manufacture of the item required.

E

End Article/End Item
A physical element of the Space Transportation System (STS). It is a functional physical entity related and selected for the purpose of system development, procurement, and logistics.

End Item
A final combination of end products, components, parts, or materials which is ready for its intended use; e.g., orbiter, receiver, amplifier, recorder, ground support equipment, etc.

Estimated on Dock (Date)
The date the equipment is forecast to arrive on dock at the Center. Initially, this date should coincide with the desired contract delivery date for purchased equipment. Subsequent to the contract award, the date will reflect the vendor's estimate of his ability to deliver.

European Space Agency (ESA)
An international organization acting on behalf of its member states (Belgium, Denmark, France, Federal Republic of Germany, Italy, the Netherlands, Spain, Sweden, Switzerland, and the United Kingdom). The ESA directs a European industrial team responsible for the development and manufacture of Spacelab.

Experiment
The system of hardware, software, and procedures for performance of a scientific or applications investigation undertaken to:

1. Discover unknown phenomena
2. Establish the basis of known laws
3. Evaluate applications processes and/or equipment.

Experiment Racks
Removable and reusable assemblies in the Spacelab module that provide structural mounting and connections to supporting subsystems (power, thermal control, data management, etc.) and experiment equipment.

Experiment Segment
Section of the pressurized Spacelab module that houses experiments and sensors.

Experimenter
A user of the Space Transportation System (STS) who ordinarily will be an individual whose experiment is a small part of the total payload.

External Tank (ET)
Element of the space shuttle system that contains liquid propellant for the orbiter main engines. It is jettisoned prior to orbit insertion.

Extravehicular Activity
Activities by crewmembers conducted outside the spacecraft pressure hull or within the cargo bay when the cargo bay doors are open.

Extravehicular Mobility Unit
A self-contained (no umbilicals) life support system and anthropomorphic pressure garment for use by crewmembers during extravehicular activity. It provides thermal and micrometeoroid protection.

F

Facility Need Date
That date when the appropriate facility is required to receive program hardware (orbiter, solid rocket booster (SRB), external tank (ET)) for test and checkout. First operational use of the facility completes this milestone.

Failure Mode, Effects, and Criticality Analysis
An analysis to determine an line replaceable unit (LRU)/shop replaceable unit (SRU) method and frequency of failure and the resulting effects.

Federal Item Identification
A complete description in accordance with FED-STD-5.

Federal Supply Code for Manufacturers
Provides a nonsignificant code assigned to identify manufacturers. Normally used with the Manufacturer's Part Number (see Federal Cataloging Handbooks H4-1 and H4-2 for codes).

Fir-Tree
Blade Part.

First Manned Orbital Flight
Liftoff of the first manned space shuttle from the launch pad. Vehicle flight beyond "tower clear" completes this milestone. Subsequent flights use similar definitions.

Flight
That portion of a mission encompassing the period from launch to landing, or launch to termination, of the active life of a spacecraft. The term shuttle "flight" means a single shuttle round trip (its launch, orbital activity, and return). One flight may deliver more than one payload. More than one flight may be required to accomplish one mission.

Flight Control Team
An element of the Mission Control Center (MCC) on duty to provide real-time support for the duration of each Space Transportation System (STS) flight.

Flight Data File
The on-board complement of crew activity plans, procedures, reference material, and test data available to the crew for flight execution. There will normally be an STS flight data file for STS crew activities and also a payload flight data file for payload crew activities.

Flight-Dependent Training
Preparation of a mission or payload specialist(s) for a specific flight, depending on the mission goals. Part of the training involves integrated simulations with the rest of the flight crew and ground teams.

Flight Design
The trajectory, consumables, attitude and pointing, and navigation analysis necessary to support the planning of a flight.

Flight-Independent Training
Standard preparation of a mission or payload specialist for any flight.

Flight Kit
Optional hardware (including consumables) to provide additional, special, or extended services to payloads. Kits are packaged in such a way that they can be installed and removed easily.

Flight Manifest
The designation of a flight, assignment of the cargo to be flown, and specific implementing instructions for STS operations personnel.

Flight Operations Planning
That part of the STS flight planning required to prepare for a given flight. It includes allocation of consumables, analyses and preparation of flight rules, assembly of consoles, handbooks, etc.

Flight Phases
Prelaunch, launch, in orbit, deorbit, entry, landing, and postlanding.

Flight Readiness Firing (FRF)
The shuttle vehicle is stacked on the launch pad, and a countdown demonstration test (CDDT) performed (designed to duplicate to the fullest possible extent an actual launch countdown). Propellant loading occurs in normal launch sequence, culminating a 20-second FRF. Engine shutdown after 20 seconds of sustained firing completes this milestone.

Flight Types
Payload deployment and retrieval, on-orbit servicing of satellites, and on-orbit operations with an attached payload, as suited to the purposes of a mission. A single flight may include more than one of these purposes.

Free Flyer
Any payload that is detached from the orbiter during the operational phase of that payload and is capable of independent operation.

Free-Flying System
Any satellite or payload that is detached from the orbiter during operational phases and is capable of independent operation.

G

General-Purpose Computer
One of five computers interconnected to form the orbiter computer complex for data processing.

Greenrun
Hot-fire acceptance test of a rocket engine component (i.e., turbopump).

Ground Support Equipment (GSE)
Nonflight equipment, implements, and devices required for the handling, servicing, inspection, testing, maintenance, alignment, adjustment, checking, repairing, and overhauling of an operational end item, a subsystem, or component thereof. This may include equipment required to support another item of GSE as defined herein.

H

Hardware Development Complete
The date all hardware manufacture/procurement has been completed, and hardware is ready to be delivered under terms of the contract. Notification from the contractor to the responsible office completes this milestone.

I

Igloo
A pressurized container for Spacelab pallet subsystems when no module is used.

Inclination
The maximum angle between the plane of the orbit and the equatorial plane.

Indenture
A method of showing relationships to indicate dependence and an order of dependence. Indenturing provides a top down breakdown of an item into its assemblies, subassemblies, components, and parts.

Inertial Upper Stage (IUS)
Solid propulsive upper stage designed to place spacecraft on high Earth orbits or on escape trajectories for planetary missions.

Initial Delivery
The date of delivery for the first item of equipment to be delivered under terms of the contract. Acceptance of the equipment by the site activation office completes this milestone.

Initial Operational Capability
Point in time at which the first operational configured space shuttle vehicle is prepared for flight. Successful completion of design, development, test, and evaluation (DDT&E) and certification of flight hardware completes this milestone.

Initial Outfitting/Lay-In
The positioning of support items at user levels and at intermediate supply and maintenance levels as initial issues in anticipated support of newly deployed end items.

Installation Complete
That date when the site activation office declares the complete system has been installed at the facility. Certification by the site activation office completes this milestone.

In-Storage Maintenance
The actions performed on a stored item to retain it in a specified condition by providing systematic inspection, detection, and prevention from deterioration.

Instrument Pointing Subsystem (IPS)
Spacelab hardware and software for precision pointing and stability for experiment equipment.

Integrated Logistics
Those interrelated processes which identify and provide the service and resources (hardware and data) required to achieve an economical and timely support of operations. The principal processes are: logistics engineering analyses, maintainability, maintenance, operational maintenance documentation, supply, transportation/packaging, training, and logistics management information.

Integration
A combination of activities and processes to assemble payload and Space Transportation System (STS) components, subsystems, and system elements into a desired configuration, and to verify compatibility among them.

Integration Levels

Level I
Cargo/shuttle integration; integration into the orbiter of everything that goes on a single shuttle flight.

Level II
Elements into cargo integration; assembly of spacecraft elements and/or free flyers (with or without tug) into a cargo for a single shuttle flight.

Level III
Instrument to supporting system integration; integration of one or more instrument assemblies with Spacelab elements (extension module and/or pallet) or a free-flyer payload.

Level IV
Instrument assembly integration; assembly of individual instruments and their unique supporting subsystem into a compatible package of equipment to accomplish specific mission objectives on a given flight.

Interface
The mechanical, electrical, and operational common boundary between two elements of a system.

Interface Verification
Testing of flight hardware interfaces by an acceptable method that confirms that those interfaces are compatible with the affected elements of the Space Transportation System (STS).

Interim Release
Authorization given a contractor to release support items to production or procurement simultaneously with his production requirements for like items prior to submission of a spare parts order.

Invitation for Bids
That point in time when the complete assembly of documents related to a particular contract award will be provided to the prospective bidders by a formal advertisement for the purpose of competitive bidding. Issue of the invitation by the NASA procurement office completes this milestone.

Item
Any level of hardware assembly (system, subsystem, equipment, component, or part).

K

K-Factors
A series of terms used to derate meantime between failure (MTBF) to a meantime between demand (MTBD) on the supply system. Four examples are:

- K_1 Engineering correction based on line replaceable unit (LRU) complexity, greater than 1
- K_2 Total failure ratio to relevant failure, greater than 1
- K_3 Ratio of operating hours to flying hours
- K_4 Ratio of demands on supply systems to failures

$$MTBD = \frac{MTBF}{K_1 \times K_2 \times K_3 \times K_4}$$

L

Launch Agreement
An agreement negotiated between NASA and the user that presents in detail all the legal, financial, and NASA-Headquarters-level commitment to provide the Space Transportation System (STS) service at a determined price.

Launch Pad
The area at which the stacked space shuttle undergoes final prelaunch checkout and countdown and from which it is launched.

Launch Processing System
A high-speed digital computer-operated checkout system used to support test, checkout, launch control, and operational management of launch site ground operations.

Launch Processing System (LPS) Support Available
Point in time when LPS is ready for use by test personnel, for a given facility. Certification by the site activation office completes this milestone.

Launch-Readiness Verification
The process of ensuring the continuing operational capability of the space shuttle system, upper stages, and Spacelab.

Launch Site Support Manager
Individual at the launch site center who is the single point of contact with users in arranging payload processing at the launch site.

Launch Site Support Plan
The basic agreement negotiated between NASA and the user detailing how the user's payload will be handled at the launch site.

Level of Repair Analysis
A process for recommending repair levels of line replaceable units (LRU's), shop replaceable units (SRU's), assemblies, and subassemblies which will accrue minimum total support costs within operational and technical constraints over the system design life. It forms the basis for assigning repair level; repair versus discard-at-failure decision; repair parts provisioning; and source, maintenance, and recoverability (SMR) coding, maintenance planning, and documentation.

Line Replaceable Unit (LRU)
Any item whose replacement constitutes the optimum organizational maintenance repair action for a higher indentured item (i.e., any assembly which can be removed and replaced as a unit from the system at the operating location).

Load Factor
The percentage of the orbiter's total capability (for payload length or weight) required by a shared-flight user. The larger figure is used to derive the charge factor, which is used to calculate the user's cost.

Logistics Engineering Analyses
A composite of analysis techniques which are used to identify the necessary logistics resources to support operation and maintenance functions in a timely and economical manner. This includes training, level of repair, spares determination analyses, etc.

Long Duration Exposure Facility
Free-flying reusable satellite designed primarily for small passive or self-contained active experiments that require prolonged exposure to space. It is launched in the orbiter cargo bay and deployed and retrieved by the remote manipulator system.

Long Leadtime Items
Those items which because of their complexity of design, complicated manufacturing processes, or limited production, may cause production or procurement cycles which would preclude timely or adequate delivery, if not ordered in advance of normal provisioning.

M

Maintainability (M)
The design, installation, and operating characteristics of an item which enables it to be retained in or returned to a specified operational condition by expending resources at an acceptable rate using prescribed procedures.

Maintenance
The actions taken to retain an item in a specified condition by providing systematic inspection, detection, and servicing for the prevention of incipient failure, and the action taken to restore an item to a specified operational condition. This includes fault isolation, item replacement, repair, and verify serviceable.

Maintenance Concept
A description of the planned method for accomplishing maintenance. A thought process which relates the maintenance tasks to be performed to the maintenance levels to support the operation of the system/equipment in the planned operational environment.

Maintenance Engineering Analysis
An analysis of contract end item line replaceable unit (LRU)/shop replaceable unit (SRU) or equivalent items which define the repair tasks necessary to restore a system to operational condition utilizing the maintenance philosophy, maintainability characteristics, and other factors.

Maintenance Ground Equipment (MGE)
The equipment which is used to support the maintenance operations for vehicle, payload, stages, facilities, or other MGE.

Maintenance Levels
All maintenance functions performed either directly on the vehicle or in a supporting role categorized in one of the following three categories:

Organizational Level
Maintenance performed on vehicle subsystems and related support equipment in direct support of the turnaround flow. It includes scheduled and unscheduled maintenance actions required to inspect, service, calibrate, replace, repair and modify in place, and reverify (sub)systems and associated components.

Intermediate Level
Maintenance that is performed in direct support of organizational level maintenance and involves disposition, repair, service, modification, calibration, and verification of items removed during organizational maintenance.

Depot Level
Maintenance that is performed by designated maintenance sources (e.g., manufacturers, USAF Air Logistics Centers, NASA Centers, etc.). It normally consists of maintenance that requires maintenance ground equipment (MGE), facilities, or skills which are not economically available at the intermediate level (e.g., repairing, modifying, overhauling, reclaiming, or rebuilding parts, assemblies, subassemblies, components and end items, manufacturing of unavailable parts, and providing technical assistance to the organizational and intermediate levels).

Maintenance Training
Detailed work-oriented instructions on servicing, maintenance, overhaul, and repair of product end items, including support and facilities equipment.

Management Coding
The assignment of codes consisting of letters and/or numerals to support items to record management decisions, such as sources for resupply, prescribed levels of maintenance, item managers, and other management data.

Manned Maneuvering Unit
A propulsive backpack device for extravehicular activity. It uses a low-thrust, dry, cold nitrogen propellant.

Material Service Centers (MSC)
An activity established adjacent to a facility of work area concentration for the purpose of furnishing supply support and supply support services to all organizations and functional activities in the immediate area(s) which require such service. Each MSC will provide a single point of contact with the Kennedy Space Center (KSC) supply system, and will receive, stock, and issue material and supplies required by the area(s) served.

Mission
The performance of a coherent set of investigations or operations in space to achieve program goals. A single mission might require more than one flight, or more than one mission might be accomplished on a single flight.

Mission Control Center (MCC)
Central area at Johnson Space Center (JSC) for control and support of all phases of Space Transportation System (STS) flights.

Mission-Dependent Equipment
Spacelab optional equipment that can be added to a flight if needed for the mission involved.

Mission-Independent Equipment
Spacelab subsystem and support equipment that is carried on every Spacelab flight.

Mission Kit
Flight kit is the preferred term.

Mission Specialist
This crewmember is responsible for coordination of overall payload/Space Transportation System (STS) interaction and, during the payload operations phase, directs the allocation of the STS and crew resources to the accomplishment of the combined payload objectives. The mission specialist will have prime responsibility for experiments to which no payload specialist is assigned, and/or will assist the payload specialist when appropriate.

Mission Station
Location on the orbiter aft flight deck from which payload support operations are performed, usually by the mission specialist.

Mixed Payloads
Cargo containing more than one type of payload.

Mobile Launch Platform
The structure on which the elements of the space shuttle are stacked in the Vehicle Assembly Building and are moved to the launch pad.

Mobility Aid
Handrails or footrails to help crewmembers move about the spacecraft.

Modification Complete
That date when existing facilities were modified. Certification by the site activation office completes this milestone.

Module
Pressurized manned laboratory suitable for conducting science, applications, and technology activities.

Module Exchange Mechanism
Part of the multimission modular spacecraft flight support system that is used for servicing.

Multimission Modular Spacecraft
Free-flying system built in sections so that it can be adapted to many missions requiring Earth-orbiting remote-sensing spacecraft. It is launched in the orbiter cargo bay and deployed and retrieved by the remote manipulator system.

Multiple Payloads
More than one separate payload carried in the cargo bay.

Multipurpose Spacelab
An extension module involving a variety of disciplines usually for specific flights, and which may require the services of a payload integrator or agent.

Multipurpose Support Group
Element of the Mission Control Center (MCC) responsible for preflight planning, procedures development, systems expertise, and manpower. During a flight, this group reports systems and trajectory status to the flight control room.

Multiuse Mission Support Equipment
Hardware available at the launch site for handling payloads, or common flight hardware used by various payload disciplines.

N

Nadir
That point on the celestial sphere vertically below the observer, or 180∞ from the zenith.

National Stock Number
A discrete identifying number assigned to each item of supply within the Federal Catalog System. A data chain consisting of the four-digit Federal Supply Classification, a two-digit Country Code and a seven-digit Federal Item Identification Number, in that order. May also have a two-character Dual Cognizance Code, a one-character Material Control Code prefix, and a two-character Special Material Identification Code suffix.

O

Off-Line
An activity conducted by a payload owner independent of any Space Transportation System (STS) element (e.g., tug, Spacelab, or shuttle). Normally, the activity is conducted in a separate facility.

Off-Line Integration
Assembly of payload elements or multiple payloads that does not involve any STS element.

Off-Line Maintenance
That maintenance function performed at the intermediate and depot maintenance levels.

On-Condition Maintenance
Those items which will remain in place until an assessment of the item's condition indicates that removal is required. The assessments are made at intervals determined by the item's failure characteristics and may consist of inspections, measurements, tests, or any other means not requiring disassembly or removal of the item.

On-Line Integration
Mating of payloads with the orbiter, Spacelab, or upper stage. Level I is with the orbiter. Level II is with the Spacelab, upper stage, etc.

On-Line Maintenance
The maintenance function performed at the organizational level.

On-Line Space Transportation System
An activity conducted with a payload and one or more Space Transportation System (STS) elements. This is broken down as follows:

On-Line Shuttle
An activity encompassing a payload, its carrier, and the shuttle vehicle.

On-Line Spacelab
An activity encompassing a payload and its Spacelab.

On-Line Tug/IUS
An activity involving a payload and the tug/inertial upper stage (IUS).

On-The-Job Training
A planned program which augments classroom training through self-study and supervised instruction to provide expanded knowledge and job proficiency while the trainee is actually working in a duty assignment.

Operational Checkout
That period of time when the operation and maintenance (O&M) organization performs crew training, simulations, and procedural familiarization prior to first use on flight hardware. Certification of ground test and checkout, and crew readiness to support the assigned mission prior to receipt of flight hardware completes this period.

Operational Readiness Date
That date when a facility, including all systems and equipment, is operationally ready and is turned over to the user/operator for operational training and systems familiarization prior to first use in support of flight hardware checkout. Certification by the site activation office completes this milestone.

Operations and Maintenance Documentation (OMD)
OMD includes: engineering drawings and lists, Organizational Operations and Maintenance (OOM) Manuals including Operations and Maintenance Instructions (OMI's), Standard Repair Manuals, Illustrated Parts Breakdown (IPB's), Intermediate Maintenance Manuals, Nondestructive Inspection (NDI) Manuals, Work Unit Code (WUC) Manuals, and Time Compliance Technical Instructions (TCTI's).

Operations and Maintenance (O&M) Manuals
O&M manuals are organized procedural information specifying methods of operating and maintaining flight hardware and support equipment. O&M manuals will be used in the performance of day-to-day operations and maintenance tasks.

Operations Planning
Performing those tasks that must be done to ensure that vehicle systems and ground-based flight control operations support flight objectives.

Operator Need Date
The date the operator (O&M organization) requires the equipment/ground support equipment (GSE) to be made available to them, to accomplish any remaining work required prior to first use.

Opportunity Mission
A payload revisit option for retrieval or servicing done at NASA's convenience when an orbiter is near the orbiting payload requiring revisit.

Optimum Repair Level
The maintenance level selected to perform specific tasks and functions for a given equipment item. The decision to repair equipment at the indicated maintenance level requires that all authorized maintenance capability (remove, replace, assembly, or test) be provided to that level. This does not prevent some repairs from being accomplished at a different level of maintenance for a different task.

Optional Flight Systems
Hardware end items that can be integrated into the orbiter at additional cost to the user, to launch payloads to geosynchronous transfer orbits (upper stages), to extend basic orbiter capabilities (flight kits), or to provide a general purpose laboratory in near-Earth orbit (Spacelab).

Orbital Flight Test
One of the first six scheduled developmental space flights of the space shuttle system.

Orbital Maneuvering Subsystem
Orbiter engines that provide the thrust to perform orbit insertion, circularization, or transfer; rendezvous; and deorbit.

Orbiter
Manned orbital flight vehicle of the space shuttle system.

Orbiter Processing Facility
Building near the Vehicle Assembly Building at Kennedy Space Center (KSC) with two bays in which the orbiter undergoes postflight inspection, maintenance, and premate checkout prior to payload installation. Payloads are also installed horizontally into the orbiter in this building.

Outfitting Award
The effective date of direction from NASA contracting officer to the selected contractor authorizing commencement of work. Issue of notice of the award by the procurement office completes this milestone.

Outfitting Complete
That date when all systems/equipment has been emplaced. Certification by site activation office completes this milestone.

One piece, or two or more pieces, joined together which are not normally subject to disassembly without destruction or impairment of its designed use.

P

Pallet
An unpressurized platform, designed for installation in the orbiter cargo bay, for mounting instruments and equipment requiring direct space exposure.

Pallet Train
More than one pallet rigidly connected to form a single unit.

Payload
The total complement of specific instruments, space equipment, support hardware, and consumables carried in the orbiter (but not included as part of the basic orbiter payload support) to accomplish a discrete activity in space.

Payload Canister
Environmentally controlled transporter for use at the launch site. It is the same size and configuration as the orbiter cargo bay.

Payload Carrier
One of major classes of standard payload carriers certified for use with the space shuttle to obtain low-cost payload operations. The payload carriers are identified as habitable modules (Spacelab) and attached but uninhabitable modules (pallets, free-flying systems, satellites, and upper stages).

Payload Changeout Room
An environmentally controlled room at the launch pad for inserting payloads vertically into the orbiter cargo bay.

Payload Discipline Training
Preparation of a mission or payload specialist for handling a specific experiment. This training is usually the responsibility of the user.

Payload Operations Control Center
Central area, located at any of three NASA centers, from which payload operations are monitored and controlled. The user, in many instances, will have direct command of a payload from this control center.

Payload Preparation Room
Facility at the Vandenberg Air Force Base launch pad for processing and checking payloads.

Payload Specialist
This crewmember, who may or may not be a career astronaut, is responsible for the operation and management of the experiments or other payload elements that are assigned to him or her, and for the achievement of their objectives. The payload specialist will be an expert in experiment design and operation.

Payload Station
Location on the orbiter aft flight deck from which payload-specific operations are performed, usually by the payload or mission specialist.

Payload Supplier
Owner/operator of any space shuttle payload.

Peculiar Part
Any part which must be produced to order in accordance with a particular drawing and/or specification. Any part requiring flight certification shall be classified peculiar. Also, normally standard parts that must be selectively accepted (to criteria different from the usual standard part requirements) shall be considered peculiar.

Phased Provisioning
A refinement to the provisioning process whereby procurement of selected items is phased by time interval into the later stages of production, thereby enhancing the ability of the provisioning activity to select the most favorable mixture of requirements.

Pilot
This crewmember is second in command of the flight and assists the commander as required in the conduct of all phases of orbiter flight.

Planning Operations Management Team
Elements of the Mission Control Center (MCC) that perform preflight functions and assist the user in requesting facilities, software, command, telemetry, and flight requirements and Payload Operations Control Center (POCC) interfaces.

POGO
A situation of coupled oscillations between a vehicle propellant feedsystem and the propulsion system.

Preliminary Engineering Report—Final Release
That date when preliminary engineering is complete and the final documentation has been released. Distribution of the final documentation completes this milestone.

Priced Spare Parts List
A priced list of items and quantities of spare parts selected for procurement under the contract.

Principal Investigator
Research scientist who is in charge of the conduct of an experiment carried by any Space Transportation System (STS) element.

Procurement/Fabrication Complete
That date when all procurement and fabrication for a particular facility has been finished. Certified acceptance by the site activation office completes this milestone.

Procurement Method Code
The contractor will use alpha-suffix codes (6, 7, or 8) contained in MIL-STD-789B to communicate his reason for the assignment of a Contractor Recommended Code (CRC). Procurement Method Codes (1 through 5) will always be assigned by government representatives from the CRC codes furnished by the contractor.

Program
An activity involving manpower, material, funding, and scheduling which is necessary to achieve desired goals (e.g., Shuttle Program, Solar Astronomy Program, etc.).

Program Check List
This list is used to provide data governing initial provisioning for end items of shuttle hardware and related support equipment.

Provisioning Activity
The provisioning team of the Space Transportation System (STS) Projects Office is responsible for the selection and the determination of requirements for the provisioned items.

Provisioning Performance Schedule
A checklist of entries including schedules in the provisioning process that is used to monitor such events.

Provisioning Screening
Provisioning Screening, when required by the Provisioning Requirements Statement, will be accomplished in accordance with DOD 4100.38M (Provisioning and other Preprocurement Screening Manual).

Provisioning Specification
The contractural instrument to provide clear and concise instructions which will achieve the objective of providing adequate, timely, and economical support by need dates for systems and end items entering the inventory. It provides NASA with the flexibility in selecting minimum essential data for each specific procurement, and provides the contractor with the detailed guidance to fulfill provisioning requirements. The finalized Provisioning Requirements Statement and the Provisioning Specification shall be appended to the end item contract.

Provisioning Technical Documentation (PTD)
The generic term used to reference the various types of provisioning lists, decks of punch cards mechanized, or automatic data processing tapes. PTD shall be furnished by contractors to Kennedy Space Center (KSC) provisioning activities for the identification, selection, determination of initial requirements, and cataloging of support items to be procured through the provisioning process. Supplementary provisioning technical documentation is also considered to be a part of the PTD.

Q

Qualitative Requirements
Qualitative requirements further amplify the maintenance concept to the designer, by converging special features which the operator/user wants designed into the hardware. Specialized qualitative requirements to be considered for specification insertion are:

1. Failure Detection
2. Performance Degradation Detection
3. Built-In Test Equipment
4. Adjustments
5. Ground Support Equipment (GSE)-Integrated/Automated/Manual
6. Self-Test
7. Skill Levels
8. Special Tools
9. Accessibility
10. Interchangeability

Quantitative Requirements
Quantitative requirements provide a firm goal (appointment of time available for maintenance) for the designer to meet his design, and also provide a requirement whose goal can later be demonstrated during the verification period.

This type of quantitative requirement, specified in a maintainability activity, must be responsive to the operational use of the equipment. Times may be specified in man-hours, clock-hours, or both. Maintenance times may also be broken out and levied for the various elements that comprise the total repair functions such as fault isolate, remove/replace, or checkout. The requirement will also be specified for all applicable levels of maintenance: organizational, intermediate, and depot. A listing of the common types of requirements to be considered are:

1. Maintenance Hours/Launch
2. Maintenance Hours/Operating Hour
3. Mean Time To Repair
4. Maximum Repair Time
5. Scheduled Replacement Intervals
6. Inspection Frequency and Maintenance Hours
7. Servicing Frequency and Maintenance Hours

R

Racks
Same as experiment racks.

Reaction Control Subsystem
Thrusters on the orbiter that provide attitude control and three-axis translation during orbit insertion, on-orbit, and reentry phases of flight.

Ready To Support
That date when equipment/facilities are required to support a project/facility milestone. First operational use of the equipment/facilities completes the milestone.

Remote Manipulator System
Mechanical arm on the cargo bay longeron. It is controlled from the orbiter aft flight deck to deploy, retrieve, or move payloads.

Reorder Point
The inventory level, representing procurement lead time and safety level quantitative requirements (on-hand and on-order balances), at which spare item replenishment is to be initiated.

Repair Parts
Those support items that are coded as "not repairable" (i.e., consumable items).

Repairable Item
An item in unserviceable condition that can be economically repaired and returned to a serviceable condition.

Note: Repairable status is determined after failure occurs.

Reparable Item
An item, which because of economic and design characteristics, is determined to be subject to repair when it becomes unserviceable, and then returned for use.

Note: This term reflects the logistics status rather than the physical status of the item. Reparable categorization is made before failure occurs.

Request For Proposal (RFP)
That point in time when the necessary documentation is issued to request proposals from prospective bidders prior to negotiation of a contract. Issue of the RFP by procurement office completes this milestone.

Retrieval
The process of utilizing the remote manipulator system and/or other handling aids to return a captured payload to a stowed or berthed position. No payload is considered retrieved until it is fully stowed for safe return or berthed for repair and maintenance tasks.

Rotating Service Structure
An environmentally controlled facility at the launch pad used for inserting payloads vertically into the orbiter cargo bay.

S

Safety Training
Instructions which alert a trainee to those conditions or operations which could be substantially dangerous to the operator, or other hazard that would damage equipment or property.

Scheduled Delivery
When NASA provides a required delivery schedule with each spare parts order, the contractor shall accept the order and within 30 days notify NASA of his acceptance of the schedule for negotiation. The approved schedule will be incorporated into the contract by supplemental agreement.

Scheduled Maintenance
Any repetitive maintenance action deemed necessary to ensure the functional success of equipment including periodic servicing and replacement of time/cycle components.

Shared Equipment Need Date (SEND)
The date equipment/ground support equipment (GSE) to be used at more than one location is required to support site activation activities at the secondary location(s). The need date at the first-use location will be the site activation need date for that location.

Shared Flight
A flight that carries the payloads of more than one user. Reimbursement in this price category is based on the percentage of the orbiter cargo capacity required plus options (or a pro rata share of those options used).

Shop Replaceable Unit (SRU)
Any item whose replacement constitutes the optimum, intermediate, or depot level of repair action, i.e., a module for a line replaceable unit (LRU) which can be removed at an intermediate or depot repair facility.

Simulator
A heavily computer-dependent training facility that imitates flight hardware responses.

Site Activation Need Date (SAND)
The date equipment/ground support equipment (GSE) is required on-dock to support installation and validation. Uncrating, inspection, and handling time must be allowed in establishing the SAND.

Solid Rocket Boosters (SRB)
An element of the space shuttle that consists of two solid rocket motors to augment ascent thrust at launch. They are separated from the orbiter soon after lift-off and recovered for reuse.

Source, Maintenance, and Recoverability (SMR) Code
An SMR code shall be recommended by the end item contractor or design agency for each component part. The code will be used to communicate maintenance and supply instructions to the various support/maintenance activities.

Spacelab
A general-purpose orbiting laboratory for manned and automated activities in near-Earth orbit. It includes both module and pallet sections, which can be used separately or in several combinations.

Space Shuttle
Orbiter, external tank, and solid rocket boosters.

Space Tracking and Data Network
A number of ground-based stations having direct communications with NASA flight vehicles.

Space Transportation System (STS)
An integrated system consisting of the space shuttle (orbiter, external tank, solid rocket booster, and flight kits), upper stages, Spacelab, and any associated flight hardware and software.

Space Transportation System Associated Payload
A specific complement of instruments, space equipment, and support hardware carried into space to accomplish a mission (or discrete activity).

Space Tug
An upper stage installed in the cargo bay of the orbiter for the payload launch, or recovery and landing. Developed specifically with the capability for delivery, retrieval, and servicing of payloads in orbits and trajectories beyond the capability of the shuttle alone. It is intended to be retrievable for refurbishing and multiple reuse.

Spare Parts Order
A spare parts provisioning list which has been approved by the NASA Contracting Office, and released to the contractor for fabrication or procurement.

Spares
Those support items that are coded to be repairable (i.e., reparable items).

Special Tools, Test Equipment, and Support Equipment
Those support items that have single/peculiar application to a specific end item.

Spinning Solid Upper Stage
Propulsive upper stage designed to deliver spacecraft of the Delta and Atlas-Centaur classes to Earth orbits beyond the capabilities of the space shuttle.

Stability Rate
The maximum angular rate error during steady state limit cycle operation.

Standard Part
Any part or item which is adequately defined by a recognized government-wide or industry-associated standard drawing and/or specification, and is normally available from commercial, Defense Supply Agency (DSA), and/or General Services Administration (GSA) sources (e.g., nuts, bolts, washers, screws, pins, keys, grommets, rivets, o-rings, clips, fasteners, clamps, fittings, standard electrical and electronic components, etc.).

Statement of Prior Submission
A certification by an offerer/contractor that provisional technical documentation (PTD) previously furnished to the government may satisfy the immediate PTD requirements, with or without changes, to update the PTD to the end item configuration to be procured.

Stowing
The process of placing a payload in a retained position in the cargo bay for ascent or return from orbit.

Subassembly
Two or more parts which form a portion of an assembly or a component replaceable as a whole, but having a part or parts which are individually replaceable (e.g., telephone dial, mounting board with mounted parts, etc.).

Supplementary Provisioning Technical Documentation (SPTD)
Supplemental Provisioning Technical Documentation is technical data used to describe parts/equipment and consists of data such as specifications, standards, drawings, photograph, sketches and descriptions, and the necessary assembly and general arrangement of drawings, schematic drawings, schematic diagrams, wiring and cable diagrams, etc., needed to indicate the location and function of the item. As a minimum, SPTD must be capable of providing for:

1. Technical identification of items for maintenance support considerations.
2. Preparation of item identification for the purpose of assigning National Stock Numbers.
3. Review for item entry control.
4. Standardization.
5. Review for potential interchangeability and substitutability.
6. Item management coding.
7. Preparation of stock/issue lists.
8. Initial procurement from the contractor or original manufacturer.

Support Equipment
Those support items that are not an integral part of an end item but are required in the operation of the end item.

Support Equipment Installation and Checkout Complete
That date when individual support equipment items have been completely installed and validated at the facility. Certification by the site activation office completes this milestone.

Support Items
Items subordinate to, or associated with, an end item (e.g., spares, repair parts, tools, test equipment, support equipment, and sundry materials) and required to operate, service, repair, or overhaul an end item.

Support Requirements Analysis
An analysis accomplished during the system design to establish logistics support requirements. The analysis is a step-by-step process of predicting operational and maintenance activities, and defining and documenting the required resources.

T

Tags
Characteristic operating performance values for a specific serialized rocket engine or motor (i.e., thrust, mixture ratio, etc.).

Tilt/Spin Table
Two-satellite communication systems providing principal coverage from geosynchronous orbit for all Space Transportation System (STS) flights.

Tracking and Data Relay Satellite System
Two-satellite communication systems providing principal coverage from geosynchronous orbit for all Space Transportation System (STS) flights.

Trainer
A training device or facility that provides primarily a physical representation of flight hardware. It may have limited computer capabilities.

Training Requirements Analysis
An analysis accomplished to determine the skill levels, type, and quantities necessary to support a maintenance philosophy, through maintenance engineering analysis or support requirements analysis.

U

Unscheduled Maintenance
Any maintenance activity required as a result of the random failures of equipment. It includes the restoration to a serviceable condition of a failed subsystem, end item, replacement package or unit, component, or part.

Upper Stage
Spinning solid upper stage or inertial upper stage. Both are designed for launch in the orbiter cargo bay and have propulsive elements to deliver payloads into orbits and trajectories beyond the capabilities of the shuttle.

Upweight
Launch weight. It refers specifically to payloads and all items required by specific payloads.

User
An organization or individual requiring the services of the Space Transportation System.

Utilizing Planning
The analysis of approved (funded or committed) payloads with operational resources, leading to a set of firm flight schedules with cargo manifests.

V

Validation
Verification that the equipment/system meets the operational needs of the operations and maintenance (O&M) user, and is part of the turnover process from the design agency to the O&M agency.

Vehicle Assembly Building
High-bay building near Kennedy Space Center (KSC) launch pad in which the shuttle elements are stacked onto the mobile launch platform. It is also used for vertical storage of the external tanks.

Vendor Item
An item which is used in or attached to the end item produced by the contractor under his contract; and which is procured by the contractor on the open market or from established sources, and for which the contractor is not part of the design activity.

W

Western Launch Operations Division
NASA operation at Vandenberg Air Force Base.

Work Station
A facility or functional area where organizational level operations and maintenance tasks are performed in direct support of a turnaround cycle, or where intermediate and depot level maintenance tasks on shuttle components (or related ground support equipment (GSE)) are performed.

Work Unit Code
A six alphanumeric character indentured equipment identification code which uniquely identifies the entire system from top down to line replaceable unit (LRU) component use level. It functionally identifies the system, subsystem, assembly component, and significant repairable part on which maintenance is to be performed.

Z

Zenith
That point of the celestial sphere vertically overhead. The point 180° from the zenith is called the nadir.

SECTION II
ACRONYMS AND ABBREVIATIONS

A

3AAL	Three Axis Acoustic Levitator
A	Angstrom
A	Acceleration
	Aft
	Alpha
	Ampere
	Analog Signal
A&A	Advertise and Award
A&E	Architects and Engineering
	Architectural and Engineering
A&I	Assembly and Installation
A&L	Approach and Landing
A&P	Attitude and Pointing
A&R	Automation and Robotics
A&PS	Administration and Program Support (MSFC Directorate)
A&RC	Application and Resource Control
A&TA	Assembly and Test Area
A&V	Assembly and Verification
A/A	Air to Air
A/C	Air Conditioning
	Aircraft
	Associate Contractor
A/D	Analog to Digital
A/E	Activity Elements
	Architectural and Engineering
A/F	Air-to-Fuel Ratio
A/FM	Air/Firing Mechanism
A/G	Air to Ground
A/L	Approach/Landing
	Approach and Landing/Autoland
	Airlock
	Autoland
A/M	Auto/Manual
A/m	Ampere per Meter
A/N	Alphanumeric
A/O	Analog/Output
A/P	Airport
A/R	As Required
	Autoland Rollout
A/S	Airspeed
	Ascent Stage
	Auxiliary Stage
AA	Accelerated Assemblies
	Accelerometer Assemblies
	Accelerometer Assembly
	Airplane Avionics
	American Airlines
	Associate Administrator
	Angular Accelerometer
AA/AL	Airplane Avionics/Autoland
	Automatic Approach/Autoland
AA/SF	Associate Administrator for Space Flight
AA/TDA	AA for Tracking and Data Acquisition
AAA	Astronaut-Actuated Abort
AAAS	American Association for the Advancement of Science
AACS	Attitude and Antenna Control System
AADS	Ascent Air Data System
AADSF	Advanced Automated Directional Solidification Furnace

AAE Abort Advisory Equipment
Aerospace Ancillary Equipment
Aerospace Auxiliary Equipment

AAEA Automated Analytical Electrophoresis Apparatus

AAFE Advanced Applications Flight Equipment
Aeroassist Flight Experiment

AAH Automated Attitude Hold (for MMU)

AAIR Advanced Atmospheric Sounder and Imaging Radiometer

AAN Agency Action Notice

AAP Airlock Adapter Plate
Analog Autopilot
Apollo Application Program

AAS Abort Advisory System
American Astronomical Society

AAT Activation Acceptance Team

AB Airborne
Auto-Beacon
Avionics Bay

ABA dc Amplifier, Buffer, Attenuator

ABACS Automated Booster Assembly Checkout System

ABC Automatic Brightness Control

ABCF As-Built Configuration File

ABCL As-Built Configuration List

ABCR As-Built Configuration Record

ABE Air-Based Electronics

ABERT Auto Bit Error Rate Test

ABM Acquisition Bus Monitor
Advanced Bill of Materials
Apogee Boost Motor

ABMA Army Ballistic Missile Agency

ABRT Abort (preferred over ABT)

ABRT REQ Abort Request

ABS Absolute
Absorber

ABS CLG Absolute Ceiling

ABT Abort

AC Aerodynamic Center
Applications Controller
Comptroller (KSC Directorate)
Assembly Complete
Aspect Camera

ac Alternating Current

ACA Altitude Controller Assembly
Annunciator Control Assembly
Attitude Controller Assembly

ACB Air Cushion Barge

ACC Accumulate
Automatic Control Console
Auxiliary Crew Compartment

ACCEL Acceleration
Accelerometer

ACCESS Accessory
Assembly Concept for Construction of Erectable Space Structure

ACCN Audit Central Control Network

ACCU Award Central Control Unit
Audio Central Control Unit
Audio Center Control Unit

ACCUM Accumulator

ACD Access Control Document
Accuracy Control Document
Apogee Kick Motor Capture Device
Architectural Control Document

ACE Acceptance Checkout Equipment
Automatic Checkout Equipment

ACES Acceptance Checkout and Evaluation System
Acceptance Control Equipment Section
Acceptance Control Equipment System
Acoustic Containerless Experiment System
Active Control Evaluation for Spacecraft
Automatic Checkout Equipment Sequencer

ACEU Aerocontrol Electronics Unit

ACI Age Controlled Item

ACIL Automatic Controlled Instrument Landing

ACIP Aerodynamic Coefficient Instrumentation Package
Aerodynamic Coefficient(s) Identification Package

ACIS Advanced CCD Imaging Spectrometer

ACK Acknowledge

ACL Allowable Container Load
Ascent Closed Loop

ACLC Adaptive Communication Live Controller

ACLS Automated Control and Landing System

ACM Acquisition Control Module
Activity Classification Number
Allocated Configuration Management
Auxiliary Core Memory

ACMB Applications Configuration Management Board

ACMS Automated Configuration Management System

ACN Ascension Island (STDN)

ACO Abort-Once-Around Cutoff
Acceptance Checkout
Administrative Contracting Officer

ACP Astronaut Control Panel
Audio Control Panel

ACPL Atmospheric Cloud Physics Laboratory

ACPM Associate Contractor Program Manager
Attitude Control Propulsion Motor

ACPO Associate Contractor Project Office

ACPS Attitude Control Propulsion System (Subsystem)

ACPT Accept

ACQ Acquire
Acquisition

ACR Active Cavity Radiometer Solar Irradiance Monitor Experiment
Actual Cost Report

ACRS Advisory Committee on Reactor Safeguards

ACS Aft Crew Station
Alternating Current Synchronous
American Chemical Society
Atmosphere Control System
Attitude Control System (IPS preferred)
Automated Control System

ACT Acquisition, Control of Test (Units)
Activate, Activation
Actuate, Actuator
Actual

ACTA Active Test Article

ACTCS Active Thermal Control System

ACTIV Activation

ACTR Actuator

ACTS Advanced Communication Technology Satellite

ACTV Active

ACU Annunciator Control Unit
Avionics Cooling Unit

ACUO Avionics Cooling Unit Operator

ACV Air Cushion Vehicle

ACWP Actual Cost for Work Performed

AD Administrative Operations and Support Service (KSC Dir.)
Air Data
Air Density
Aperture Door

ADA Air Data Assembly
Azimuth Drive Assembly

ADAP Adaptive Intercommunication Requirement

ADB Aerodynamic Data Book

ADC Air Data Computer
Analog-to-Digital Computer
Analytic Drag Control

Adc Amperes Direct Current

ADCLS Automated Data Collection/Location System

ADCR Applicable Document Contractual Record

ADD Address

ADDR Address

ADEOS Advanced Earth Observation Satellite

ADF Automatic Direction Finder
Automatic Display Finder

ADH Advanced Development Hardware

ADI Attitude Directional Indicator
Attitude Display Indicator

ADJ Adjust

ADL Avionics Development Laboratory (RI-SD)

ADP Acceptance Data Package
Advanced Development Program
Air Data Probe
Automatic Data Processing
Avionics Development Facility

ADPA Air Data Probe Assemblies

ADPE Automatic Data Processing Equipment

ADR Address
Adiabatic Demagnetization Refrigeration

ADS Air Data Sensor
Air Data System
Aspect Determination System
Aspect Determination Subsystem
Attitude Display System
Audio Distribution System

ADSF Automatic Directional Solidification Furnace

ADT Air Data Transducer

ADTA Air Data Transducer Assembly

ADU Annunciator Display Unit

AE Atmosphere Explorer

AEB Aft Equipment Bay

AEC Aft End Cone
Aft Events Controller
Atomic Energy Commission

AED Analog Event Distributor

AEDC Arnold Engineering Development Center

AEDS Analog Event Distribution System

AEM Acoustical Emission Monitoring
Animal Enclosure Module

AEMB Alabama Energy Management Board

AEPI Atmospheric Emission Photometric Imaging
Atmospheric Imaging Instrument

AERO Aerodynamic
Aerosurfaces
Atmospheric Flt Supt

AES Analog Event System
Atmosphere Exchange System
Auger Electron Spectroscopy

AESC Aerojet Electrosystems Company

AET Aerosurface End-to-End Test

AETL Approved Engineering Test Laboratory

AEWG Active Experiment Working Group

AF Aft Fuselage
Airframe
Air Force
Audio Frequency

AFA Airframe Assembly

AFAD Armed Forces Acquisition Document

AFALD Air Force Acquisition Logistics Division (WPAFB)

AFB Air Force Base

AFC Aerodynamic Flight Control
Automatic Flight Control
Automatic Frequency Control

AFCE Automatic Flight Control Equipment

AFCS Automatic Flight Control System

AFD Aft Flight Deck
Assistant Flight Director

AFDCP Aft Flight Deck Control Panel

AFDO Aft Flight Deck Operator

AFDPDB Aft Flight Deck Power Distribution Box

AFE Aeroassist Flight Experiment
American Flight Electrocardiograph

AFEB Award Fee Evaluation Board

AFEC Award Fee Evaluation Committee

AFETR Air Force Eastern Test Range (ESMC preferred)

AFETRM Air Force Eastern Test Range Manual

AFF Acceptance and Ferry Flight

AFFTC Air Force Flight Test Center (Edwards AFB)

AFGE Association of Federal Government Employees

AFGL Air Force Geophysics Laboratory

AFGWC Air Force Global Weather Center

AFI Automatic Fault Isolation

AFL Autoland Flight Tests

AFLC Air Force Logistics Command

AFM Air Force Manual

AFO Announced Flight Opportunity
Announcement of Flight Opportunities

AFPD Authorization for Program Development

AFPRO Air Force Plant Representatives Office

AFR Air Force Regulation

AFRPL Air Force Rocket Propulsion Laboratory (EAFB)

AFRSI Advanced Flexible Reusable Surface Insulation

AFS Air Force Standard

AFSC Air Force Systems Command

AFSCF Air Force Satellite Control Facility
Air Force Satellite/Spacecraft Control Facility

AFSCN Air Force Satellite Control Network

AFSIG Ascent Flight Systems Integration Group

AFSSD Air Force Space Systems Division

AFSWC Air Force Special Weapons Center (Holloman AFB)

AFT Aerodynamic Flight Test
Atmospheric Flight Test
Autogenic Feedback Training

AFTA Acoustic Fatigue Test Article
Aft Frame Tilt Actuator

AFTEC Air Force Test and Evaluation Center
AFV Antiflood Valve
AFZES Analytical Float Zone Experiment System
AG Artificial Gravity
Attitude Gyro
AGAA Attitude Gyro Accelerometer Assembly
AGAP Attitude Gyro and Accelerometer Package
AGC Aerojet-General Corporation
Automatic Gain Control
AGCA Automatic Ground Controlled Approach
AGCE Atmospheric General Circulation Experiment
AGCL Automatic Ground Controlled Landing
AGCU Air Ground Cooling Unit
Attitude Gyro Coupling Unit
AGE Aerospace Ground Equipment
Air/Ground Equipment
Automatic Ground Equipment
AGI Agreement Item
AGL Above Ground Level
Absolute Ground Level
AGMC Aerospace Guidance and Metrology Center
AGO Santiago, Chile (Standardization)
AGOES Advance Geosynchronous Observation Environment Satellite
AGOSS Automated Ground Operations Scheduling System (also AUTO-GOSS)
AGS Abort Guidance System
Advanced Gimbal System
Antigravity Suit
AGU American Geophysical Union
AGVS Air/Ground Voice System
AH Attitude Hold
Ah Ampere Hour
AHI Artificial Horizon Indicator
AHP Attitude Hold (Pitch Axis)
AHR Ablative Heat Rate
Attitude Hold (Roll Axis)
AHRS Attitude Heading Reference System
AI&R Artificial Intelligence and Robotics
AI&T Assembly, Integration, and Test
AI Action Item
Airspeed Indicator
Altimeter Indicator
Altitude Indicator
Artificial Intelligence
Attitude Indicator
AIA Aerospace Industries Association
AIAA American Institute of Aeronautics and Astronautics
AICC Action Item Control Card
AICS Action Item Closeout Sheet
AID Abbreviated Item Description
Analog Input Differential
Audit Item Disposition
AIDS Airborne Integration Data System
AIL Aileron
Avionics Integration Laboratories
AILAS Automatic Instrument Landing Approach System
AILS Automatic Instrument Landing System
AIM Automated Information Management
AIP American Institute of Physics
Avionics Integration Plan
AIPR Automated Information Processing Resources
AIR Action Item Report
Adaptive Intercommunication Requirement

AIS	Action Item Sheet
	Airlock Illumination Subassembly
	Analog-In Single-Ended
AISC	American Institute of Steel Construction
AIST	Agency of Industrial Science and Technology
AIU	Abort Interface Unit
	Avionics Interface Unit
AJ	Assembly Jig
AKM	Apogee Kick Motor
AL	Acoustic Levitator
	Airlock
AL/EMU	Airlock/Extravehicular Mobility Unit
ALAE	Atmospheric Lyman Alpha Emission
ALAS	Approach Landing Autopilot System (Subsystem)
	Automatic Landing Autopilot Subsystem
ALC	Aft Load Controller
	Air Logistics Center
	Audio Load Compensator
	Automatic Level Control (Camera)
	Automatic Light Control
ALCA	Aft Load Control Assembly
	Automatic Level Control Assembly
ALDO	Activity Level Dependent Operations
ALE	Airport Landing Equipment
	Airport Lighting Equipment
ALERT	Acute Launch Emergency Reliability Tip
ALF	Acoustic Levitation Furnace
ALFE	Advanced Liquid Feed Experiment
ALGOL	Algorithmic Language
ALIO	Activity Level Independent Operations
ALM	Alarm
ALN	Alignment
ALPHA	Angle of Attack (Pitch)
	Right Ascension
ALPS	Approach and Landing Procedures Simulator
ALRC	Aerojet Liquid Rocket Corporation
ALS	Advance Logistics System
	Advanced Launch System
	Airlock System (ECLS)
	Alternate Landing Site
	Alternate Launch Site
	Approach Landing System
	Automatic Landing System
ALSA	Astronaut Life Support Assembly
ALSE	Astronaut Life Support Equipment
ALSS	Airlock Support System (Subsystem)
ALT	Alternate
	Altitude
	Approach and Landing Tests
ALTM	Altimeter
ALTR	Approach and Landing Test Requirement
ALU	Advanced Levitation Unit
	Arithmetic Unit
AM	Actuator Mechanism
	Administration and Management Operations (KSC Dir.)
	Alpha Meter
	Ammeter
	Amplitude Modulation
	Antenna Management
AMA	Air Material Area (now Air Logistics Centers)
AMB	Ambient
AMC	Automatic Mixture Control
AMCA	Aft Motor Control Assembly
AMCP	ADL Master Control Program
AMDB	Automated Maintenance Data Base

AMDM Acoustic Midflight Deck Module

AMDS Advanced Missions Docking Subsystem

AMEC Aft Master Events Controller

AMF Abort Motor Facility
Apogee Motor Firing

AMG Activation Management Group

AMI Absolute Memory Image
Airspeed Mach Indicator
Alpha/Mach Indicator

AML Approved Materials List

AMLC Asynchronous Multiline Controller

AMMS Automatic Maintenance Management System

AMOOS Advanced Maneuvering Orbit-to-Orbit Shuttle

AMOS Air Force Maui Optical Site

AMP Ampere

AMPR Aeronautical Manufacturers Planning Report
Aeronautical Manufacturers Progress Report

AMPS Atmosphere, Magnetosphere, and Plasmas in Space
Atmospheric Magnetospheric Plasma System

AMPTE Active Magnetospheric Particle Tracer Explorers

AMR Advanced Microwave Radiometer
Atlantic Missile Range

AMRV Astronaut Maneuvering Vehicle

AMS Acoustic Measurement System
Actuation Mechanism Subsystem
American Meteorological Society
Amplifier
Amplifier Subsystem

AMSAT Radio Amateur Satellite Corp.

AMST Advanced Medium STOL Transport

AMSU Advanced Microwave Sounding Unit

AMTAS Automatic Modal Tuning and Analysis System

AMTD Automatic Magnetic Tape Dissemination

AMTF Acoustic Model Test Facility

AMU Astronaut Maneuvering Unit
Attitude Matchup Update

AN Applications Notice
Army/Navy

ANA Air Force-Navy Aeronautical Bulletin

ANAL Analysis

ANC Active Nutation Control

ANCE Attitude Nutation Control Electronics

AND Air Force-Navy Aeronautical Design Standard

ANG Angle

ANIK Canadian Communications Satellite

ANL Analog
Automatic Noise Limiter

ANLG Analog

ANNUN Annunciator

ANRA Air Navigation Radio Aids

ANSI American National Standards Institute

ANT Antenna
Antigua (ETR)

AO Analog Output
Announcement of Opportunity

AOA Abort-Once-Around
Angle of Attack

AOCE Attitude and Orbit Control Electronics

AOCRD Acceptance and Operational Checkout Requirements Document

AOCS Attitude and Orbit Control Subsystem

AOD Aircraft Operations Division (JSC)
Analog Output Differential
Assistant Operations Director
AOO Administrative Operations Office
AOPM Airline Operations Planning Model
AORM Atomic Oxygen Resistance Monitor
AOS Acquisition of Signal
AOSO Advanced Orbiting Solar Observatory
AOT Actual Operating Time
Alignment Optical Telescope
Avionics Operating Time
Avionics Overall Test
AOTV Aeroassisted Orbital Transfer Vehicle
AP Access Panel
Air Pressure
Ammonium Perchlorate
Application Processor
Atmospheric and Space Physics
Attitude Processor
Procurement, Support and Transportation (KSC Dir.)
APA Abort Programmer Assembly
Allowance for Program Adjustment
APA(E) Attached Payload Accommodations (Element)
APC Adapted Payload Carrier
Advanced Propulsion Comparison Study
Aft Power Controller
Allocated Prime Costs
Armored Personnel Carrier
Automatic Phase Control
Autonomous Payload Controller
APCA Aft Power Controller Assembly
APCC Atmospheric Pressure and Composition Control
APCG Advanced Protein Crystal Growth
APCI Air Products and Chemicals, Inc.
APCS Autonomous Payload Control System
APD Area Passive Dosimeter
APE Auroral Photography Experiment
APERT Aperture
API Air Position Indicator
APIF Automated Process Information File
APIRD Authorized Procurement Information Requirements Description
APIRL Authorized Procurement Information Requirements List
APLAC Analysis Program Linear Active Circuits
APM Ascent Particle Monitor
Assistant Project Manger
Astronaut Positioning Mechanism
APP Advanced Procurement Package
Approach
Approach Astrophysics Payload
Approved
Astrophysics Payload
APPF Automated Payload Processing Facility
APPLE Advanced Propulsion Payload Effects
APPS Auxiliary Payload Power System
APPX Appendix
APR Advanced Parts Release
APRS Automated Procurement Request System
APS Aft Propulsion System (Subsystem)
Alternate Payload Specialist
American Physical Society
Astronaut Positioning System
Attitude Propulsion Subsystem
Automatic Processing System
Auxiliary Power Subsystem
Auxiliary Propulsion System

APSA Asymmetric and Planar Structural Analysis

APSAP Auxiliary Propulsion System Aft Prod

APSS Atmospheric Pressure Supply Subsystem

APT Advanced Propulsion Test
Astronaut Preference Test
Automatic Picture Transmission
Automatic Programmed Tool

APTI Automatic Programmed Test Input

APU Auxiliary Power Unit
Auxiliary Propulsion Unit

APUS Auxiliary Power Unit Subsystem

APUT Auxiliary Power Unit Test

AQL Acceptance Quality Level

AR/IRR Acceptance Review/Integration Readiness Review

AR Acceptance Readiness
Acceptance Review
Atmospheric Revitalization

AR&DA Advanced Research and Development Activity

ARA Attitude Reference Assembly
AVVI Radar Altitude

ARABSAT Saudi Arabian Comm. Satellite

ARAP Astronaut Rescue Air Pack

ARC Aggregation of Red Blood Cells
Ames Research Center (Moffett Field, CA)

ARCOMSAT Arab League Communications Satellite

ARCS Aft Reaction Control System (Subsystem)

ARF Assembly and Refurbishment Facility

ARFDS Automatic Reentry Flight Dynamics Simulator

ARI Airconditioning and Refrigeration Institute

ARIES Astronomical Radio Interferometric Earth Surveying

ARINC Aircraft Radio, Incorporated

ARMS Automated Requirements Management System
Automated Resources Management System

ARN Additional Reference Number

ARP As-Run Procedure

ARPCS Atmospheric Revitalization Pressure Control System

ARPESH Accurate and Reliable Prototype Earth Sensor Head

ARPF Army Pulse Radiation Facility

ARR Array

ARRL American Radio Relay League

ARRS Air Recovery and Rescue Service

ARS Advanced Recovery System
Air Rescue Science
Air Rescue Service
Air Revitalization System
Atmospheric Revitalization System
Attitude Reference System

ARTCC Air Route Traffic Control Center

AS Aft Shroud
Ascent
Attitude Set

AS&E American Science and Engineering

ASA Abort Sensor Assembly
Adapter Service Area
Aerosurface Amplifier
Aerosurface Servo Amplifier
Altitude Switch Assembly
American Standards Association
Assured Shuttle Availability

ASAC Aerodynamic Surface Assembly and Checkout

ASAP Aerospace Safety Advisory Panel
As Soon as Possible

ASAS Aerodynamic Stability Augmentation Subsystem

ASB Airlock Stowage Bag

ASC Aerodynamics Surface Control
Aerosurface Control
American Satellite Company
Ascent
Automatic Sensitivity Control

ASC/ABT Ascent/Abort

ASCADS Aft Station Command and Data Systems

ASCE Airlock Signal Conditioning Electronics

ASCG Automatic Solution Crystal Growth

ASCII American Standard Code for Information Interchange

ASCP Attitude Set Control Panel

ASCS Atmospheric Storage and Control Section
Atmosphere Storage and Control Subsystem (System)
Attitude Stabilization and Control System

ASDE Aerosurface Driver Electronics

ASDM Aerosurface Driver/Monitor

ASDTIC Analog Signal to Discrete Time Interval Converter

ASE Advanced Space Engine
Airborne Support Equipment
Automatic Support Equipment

ASEA Advanced Solidification Experiment Activity

ASEB Aeronautics and Space Engineering Board

ASED Avionics Systems Engineering Division (JSC)

ASF Atmospheric Science Facility

ASG Avionics Subsystem Group

ASHRAE American Society of Heating, Refrigeration, and Airconditioning Engineers

ASI Airspeed Indicator
Amended Shipping Instructions
Augmented Spark Igniters
Augmented System Ignition

ASK Amplitude Shift Keying

ASKA Automatic Systems for Kinematic Analysis

ASL Above Sea Level

ASLU Antenna Select Logic Unit

ASM Assembler Language

ASME American Society of Mechanical Engineers

ASO Advanced Solar Observatory
Ammonia System Operations
Aviation Safety Office

ASP Activity Scheduling Program
Aerosurface Position
Airborne Science Program
Aspirator

ASPI Aerosurface Position Indicator

ASPP Atmospheric and Space Plasma Physics

ASPS Annular Suspension Pointing System

ASPSL ASPP Sortie Laboratory

ASQC American Society for Quality Control

ASR Air/Sea Rescue
Automatic Speech Recognition
Avionics System Review

ASRC Alabama Space and Rocket Center

ASRM Abort Solid Rocket Motor
Advanced Solid Rocket Motor

ASRS Automated Software Reporting System
ASS Airlock Support Subsystem
ASSESS Airborne Science Shuttle Experiments System Simulation
Airborne Science/Spacelab Experiment System
ASSY Assembly
AST Aerospace Technologist
Astronomy
ASTD Advanced Space Technology Division
ASTF Aeropropulsion System Test Facility
ASTG Aerospace Test Group
ASTIA Armed Services Technical Information Agency (now DDC)
ASTM American Society for Testing Materials
ASTP Apollo Soyuz Test Project
ASTR Astronomy
Astro Astronomy Payload
Astro-1 Astronomy Payload-1
ASTS Avionics System Test Specification
ASVT Applications System Verification and Transfer
ASYM Asymmetry
AT Action Time
Astrometric Telescope
Automatic TAEM
AT&T American Telephone & Telegraph
ATA Abort Timing Assembly
Air Transport Association
Avionics Test Article
ATAC Advanced Technology Advisory Committee
ATC Ablative Thrust Control
Air Traffic Control
Air Training Command
ATE Computer
ATCA Attitude Translation Control Assembly
ATCOS Atmospheric Composition Satellite
ATCS Active Thermal Control Subsystem (System)
ATD Advanced Technology Development
Alternate Turbopump Development
ATDB Aerothermodynamic Data Book
ATE Airborne Test Equpment
Automatic Test Equipment
ATIS Automatic Terminal Information System
ATL Advanced Technology Laboratory
ATLAS Abbreviated Test Language for Avionics Systems
Atmospheric Laboratory for Applications and Science
ATLASS Advanced Technology for Large Area Space Structures
ATM Apollo Telescope Mount
Auxiliary Tape Memory
atm Atmosphere
ATMOS Atmospheric Trace Molecules Observed by Spectroscopy
Atmospheric Trace Molecule Spectroscopy
ATO Abort-to-Orbit
ATOLL Acceptance Test of Launch Language
ATP Acceptance Test Procedure
Activation Test Program
Authority to Proceed
ATPA Alpha Temperature Probe Assembly
ATR Air Transport Radio
Air Transport Rating
Air Transportation Rack

ATS Acceptance Test Specification
Administrative Terminal System
Advanced Technology Spacecraft
Analog Tone Signal
Applications Technology Satellite

ATS Asynchronous Task Storage
Automatic Terminal System

ATT Acceptance Thermal Test (Testing)
Attitude

ATTEN Attenuation

ATTS Automatic Telemetry Tracking System

ATU Airlock Audio Terminal
Audio Terminal Unit
Audio Thermal Unit

ATVC Ascent Thrust Vector Control
Ascent Thrust Vector Controller
Automatic Thrust Vector Control

ATVCD Ascent Thrust Vector Control Driver

AU Accounting Unit
Addressable Unit
Astronomical Unit

AUB Aft Utility Bridge

AUD Audio

AUG Augment

AURA Association of Universities for Research in Astronomy

AUST DOMSAT Australian Communication Satellite

AUT Automatic

AUTO Automatic

AUTO-GOSS Automated Ground Operations Scheduling System (also AGOSS)

AUTODIN Automatic Digital Network

AUTOLAND Automatic Landing

AUX Auxiliary

AV Average Value
Avionics

AV BAY Avionics Bay

AVC Automatic Volume Control

AVCG Automatic Vapor Crystal Growth

AVE Atmospheric Variability Experiment
Avenal (TACAN Station)

AVG Average

AVL Address Validity
Avionics Verification Laboratory

AVO Avoid Verbal Orders

AVSM Auxiliary Video Switch Matrix

AVSR Avionics Verification Status Room

AVT Acceptance Vibration Testing

AVVI Altimeter Vertical Velocity Indicator
Altitude/Vertical Velocity Indicator

AW Airlock Wall
Assembly Workstand

AWCS Agency-Wide Coding Structure
Automatic Work Control System

AWG Activation Working Group
American Wire Gage

AWL Automated Wire List

AWS Air Weather Service
American Welding Society
Automated Wiring System

AXAF Advanced X-Ray Astrophysics Facility

AXIOM AXAF Imaging Optical/UV Monitor

AZ Azimuth

AZS Automatic Zero Set

B

B Bit
B&G Bridges and Gateways
B&P Bid and Proposal
Budgetary and Planning
B&W Black and White
B-1 DIV B-1 Division (Rockwell)
B/A Bank Angle
Barometric Altimeter
Buffer Amplifier
B/C Bench Check
B/L Baseline
B/O Booster Orbiter
Breakout
Burnout
B/SC Brake Skid Control
B/s Bits Per Second
B/SMPL Bits Per Sample
B/U Backup
B/V Bleed Valve
B/W Black and White
BA Bank Angle
Breathing Air
BAC Boeing Aircraft Company
Booster Assembly Contractor
Budget at Complete
Buffer Access Card
BACS Body Axis Coordinate System
BADG British Aerospace Dynamics Group
BAE British Aerospace
BAI Barometric Altitude Indicator
BAIR Breathing Air
BAL Balance
BAMSI Brown Association Management Services, Inc.
BAN Budget Allocation Notice
BAPTA Bearing and Power Transfer Assembly
BARB Ballast Aerating Retrieval Boom
BARO Barometer
BARS Baseline Accounting and Reporting System
BASD Ball Aerospace Systems Division
BASS Backup Avionics System Software
BATSE Burst and Transient Source Experiment
BATT Battery
BB Breadboard
BBC Before Business Clearance
BBXRT Broad Band X-Ray Telescope
BC Battery Charger
Binary Counter
Bus Coupler
BCCT Break Control Command Transducers
BCD Baseline Configuration Document
Binary Coded Decimal
Budget Change Document
BCE Backup Control Electronics
Beamsplitter Control Electronics
Bus Control Element
BCFS Backup Flight Control System
BCH Binary Coded Hexadecimal
Bose-Chaudhuri-Hocquenghen (Computer Code)
BCN Beacon
BCP Base Condemnation Percent
Benchmark Control Point
BCR Bar Chart Report
BCRD Basic Consolidated Requirements Document
BCRT Binary Code Range Time
BCS Bragg Crystal Spectrometer

BCSS/HETGS
Bragg Crystal Spectrometer/High Energy Transmission Grating Spectrometer

BCT Bus Configuration Table

BCU Bus Control Unit

BCWP Budget Costs for Work Performed

BCWS Budget Costs for Work Scheduled

BD Band
Binary Decoder
Binary Digit
Binary Discrete
Board

BDA Backup Drive Amplifier
Beacon Drive Assemblies
Bermuda Island
Bermuda (STDN)
Blast Danger Area

BDC Bidirectional Converter
Bit Error Rate

BDCF Baseline Data Collection Facility

BDCR Baseline Document Change Request

BDD Baseline Definition Document

BDT Block Data Transfer

BDY Body

BDYFLP Body Flap

BECO Booster Engine Cutoff

BER Bit Error Rate

BESS Biological Experiment Scientific Satellite
Biomedical Experiment Scientific Satellite
Biomedical Experiment Support Satellite

BEST Booster Exhaust Study Test

BET Best Estimate of Trajectory

BETA ANGLE
Sideslip Angle

BEWS Blast Environment Wave Simulator

BF Beat Frequency
Body Flap

BFC Backup Flight Control
Backup Flight Controller
Body Flap Control

BFCS Backup Flight Control System

BFL Back Focal Length
Bakersfield (TACAN Station)

BFO Beat Frequency Oscillator

BFRP Boron Fiber Reinforced Plastics

BFS Backup Flight System

BFZES Breadboard Float Zone Experiment System

BH/MP Breather Hose/Mouthpiece

BHD Bulkhead

BHN Brinell Hardness Number

BHP Brake Horsepower

BHS Base Heat Shield

BIA Bus Interface Adaptor

BIPROP Bipropellant

BIO Bio Research Module
Biological
Bioseparation

BIOMED Biological Medicine (Medical)

BIOS Biological Satellite

BIS Biocide Injection System

BIT Binary Digit
Built-in Test

BITE Built-in Test Equipment

BIU Buffer Interface Unit
Bus Interface Unit

BK Back
Brake

BKHD Bulkhead

$BKNO_3$ Boron Potassium Nitrate
BLC Boundary Layer Coolant
BLDG Building
BLDN Blowdown
BLIMP Boundary Layer Integral Matrix Procedure
BLK Block
BLOW Booster-Lift-Off Weight
BLR Boiler
BLS Bottom Left Side
BLV Bleed Valve
BLWR Blower
BM Basal Metabolism
Body Mounted
Business (Branch) Manager
BMA Body-Mounted Accelerometer
BMAG Body-Mounted Attitude Gyro
BMAP Buffer Map
BMB Base Maintenance Building
BME Bench Maintenance Equipment
BMFT German D-1 Spacelab Payload
West German Federal Ministry of Research and Technology
BMMD Body Mass Measuring Device
BMR Body Mounted Radiator
BMS Background Measurement Satellite
BMT Bearing Materials Tester
BMU Bus Monitor Unit
BN Ballistic Number
BO Bakeout
Breakout Box
BOA Basic Ordering Agreement
Basic Operating Agreement
BOB Best on Best
BOC Base Operations Contract
BOD Beneficial Occupancy Date
Bright Object Detector
BOE Basis of Estimate
Break of Entry
BOF Beginnning of File
BOI Break of Integrity
BOL Beginning of Life
BOM Beginning of Month
Bill of Materials
BOP Baseline Operations Plan
BOPACE Boeing Plastic Analysis Capability for Engines
BOS Backup Operating System
Bright Object Sensor
BOT Beginning of Tape
BOTSWANA (STDN)
BOW Bill of Work
BP Back Pressure
Bandpass
Barber Pole
Blood Pressure
Boilerplate
BPD Baseline Program Documentation
BPI Bits Per Inch
BPM BATSE Power Module
Beats Per Minute
BPMS Blood Pressure Measuring System
BPR Bypass Ratio
BPRC Battery Protection and Reconditioning Circuit
BPS Bits Per Second
BPT Body Point
BPV Biopropellant Valve
BR Biorack (Spacelab D-1 Experiment)
Bit Rate
BRAVO Business Risk and Value of Operation in Space
BRCS Basic Reference Coordinate System
BRE Blood Rheology Experiment

BRES	Blood Rheology Experiment Study
BRG	Bearing
BRK	Brake
BRKT	Bracket
BRM	Biological Research Module
BRPM	Breath Rate Per Minute
BRRS	Banana River Repeater Station
BRS	Bottom Right Side
BRT	Bright
BS	Block Specification
BSC	Brake Skid Controller
BSDP	Booster Stage Discharge Pressure
BSE	Booster Systems Engineer
BSFR	Back Surface Field Reflector
BSI	Basic Shipping Instructions
	Boeing Services International Inc.
BSK	Biostack
BSM	Booster Separation Motors
BSMT	Bearing Seals and Materials Tester
BSR	Basic System Release
	Bite Status Register
BSRM	Booster Solid Rocket Motor
BSS	Backup System Services
BSSD	Ball Space Systems Division
BSTR	Booster
BSTRA	Ball-Strut-Tie-Rod Assembly
BT	Burn Time (Engine)
BTA	Booster Trowelable Ablator
BTC	Binary Time Code
	Bus Tie Contractor
BTMS	Body Temperature Measuring System
BTR	Boom Time Remaining
	Burn Time Remaining
	Bus Transfer
BTS	Biotelemetry System
	Booster Technology Simulator
BTU	Bus Terminal Unit
Btu	British Thermal Unit
BU	Backup
BUC	Backup Computer
	Buckhorn, CA (GSTDN)
BUFF	Buffer
BUOU	Backup Optical Unit
BUR	Backup Rate
BW	Bandwidth
	Biowissenschaften (Spacelab D-1 Experiment)
	Bridgewire
BX	Box
BY	Budget Year
BYP	Bypass
BZT	Benzotriazole

C

C	Candle
	Capacitance
	Celsius
	Centigrade
	Coefficient
	Complete
	Constant
	One Hundred
c	cycle
C&D	Control and Display
C&DH	Command and Data Handling
C&DS	Command and Data Simulator
C&M	Control and Monitoring
C&T	Communication and Tracking
C&TSS	Communication and Tracking Subsystem
C&W	Caution and Warning
C-BD	C-Band
C-Band	3,900 to 6,200 MHz
C-C	Carbon-Carbon
C-to-C	Computer-to-Computer
C/C	Combustion Chamber
C/D	Countdown
C/F	Center Frequency
C/L	Checklist
	Closed Loop
C/min	Cycles Per Minute
C/O	Changeout
	Checkout
	Contamination/Overpressure
	Cutoff
C/P	Cold Plate
C/R	Commutation Rate
C/S	Counts Per Second
	Cycles Per Second
C/SCSC	Cost/Schedule Control Systems Criteria
C/W	Carrier Wave
	Caution and Warning
CA	California
	Carrier Aircraft
	Cone Angle
	Contingency Abort
	Contract Award
	Corrective Action
	Cost Account
CAB	Cabin
	Cabinet
	Civil Aeronautics Board
	Cost Audit Board
CACB	Center Aisle Connector Bracket
CACC	Communications and Configuration Console
CACON	Cargo Container
CAD	Computer Aided Design
CADE	Controller/Attitude-Direct Electronics
CADP	Critical Assignment Development Program
CADS	Command and Data Simulator
CADSI	Communications and Data Systems Integration
CADU	Control and Display Unit
CAE	Computer Aided Engineering
CAG	Commercial Advocacy Group
CAI	Computer Aided Instruction
CAIT	Computer Aided Instructional Training
CAL	Calibrate, Calibration
	Cornell Aeronautical Laboratory
cal	Calories
CALC	Calculate

CALS Computer Aided Acquisition and Logistics System

CAM Carrier Aircraft Modification
Collision Avoidance Maneuver
Computer Aided Manufacturing
Computer Annunciation Matrix
Content Addressable Memory

CAMR Camera

CAN Certification Analysis Network

CANEX Canadian Experiments

CAP Capacitor, Capacity
CCMS Application Programs
Computer Aided Productivity
Computer Application Program
Contractor Acquired Property
Cost Account Package
Crew Activity Plan

CAPCOM Capsule Communicator

CAPRI Captive Rest Ignitor

CAPS Common Attitude Pointing System
Corrective Action Problem System
Crew Activity Planning System
Crew Altitude Protection Suit

CAPSIM Captive Simulation

CAR Certification Approval Request
Configuration and Acceptance Review
Corrective Action Request

CARD Constraints and Restrictions Document

CARID Customer Acceptance Review Item Disposition

CARR Customer Acceptance Readiness Review

CART Complete and Ready for Test

CAS Calibrated Airspeed
Command Augmentation System
Control Augmentation System
Cost Accounting Standard

CASA Computer Aided Systems Analysis

CASB Cost Accounting Standards Board

CASES Checkout Atmospheric Science Experiment Set
Controls Astrophysics Structures Experiment in Space

CASO Cancellation Addendum Sales Order

CASP CDS Application Support Programs

CASS CITE Augmentation Support System

CAST Casting and Solidification Technology

CAT Computer Aided Test

CATS Component Acceptance Test System

CATEG Category

CAU Command Acquisition Unit
Command Activation Unit
Customer Acquisition Unit

CAUSE Computer Aided User Oriented System Evaluation

CAUT Caution

CB Center of Buoyancy
Circuit Breaker
Constant Bandwidth

CB/ac Circuit Breaker (ac only)

CB/dc Circuit Breaker (dc only)

CBA C-Band Transponder Antenna

CBC Closed Brayton Cycle
Complete Blood Count

CBD Commerce Business Daily

CBE Connector Bracker, Experiment

CBIL Common and Bulk Items List

CBP Connector Bracket Power

$CBrF_3$ Bromotrifluoromethane (Fire-Extinguishing Material)

CBR Configuration Budget Review

CBS Connector Bracket Signal
Cost Breakdown Structure

CBSA Cargo Bay Stowage Assembly

CBSC Chinese Broadcasting Satellite Corporation

CBT Computer Based Training

CBV Cabin Bleed Valve

CBW Constant Bandwidth

CBX C-Band Transponder

CC Carbon-Carbon
Channel Controller
Chief Counsel (KSC Directorate)
Communications Control
Cost Center
Crew Compartment
Crew(s) Certified

CCA Communications Carrier Assembly
Contract Change Authorization
Coolant Control Assembly
Contract Change Authorization

CCAFS Cape Canaveral Air Force Station

CCATS Command, Communication, and Telemetry System (Subsystem)

CCB Change Control Board
Configuration Change Board
Configuration Control Board

CCBD Configuration Change Board Directive
Configuration Control Board Directive

CCBSG Change Control Board Screening Group

CCC Central Computer Complex
Communication(s) Control Console
Complex Control Center
Contaminant Control Cartridge
Controller Checkout Console

CCD Charged Coupled Devices
Checkout Command Decoder
Configuration Control Document
Constants Change Display

CCDR Contractor Critical Design Review

CCDS Center for Commercial Development of Space

CCE Charge Composition Explorer
Computer Command Engineer

CCF Converter Compressor Facility

CCFF Cape Canaveral Forecast Facility

CCIM Command Computer Input Multiplexer

CCIR International Radio Consultative Committee

CCITT Consultive Committee for International Telephone and Telegraph

CCL Closed Circuit Loop
Commonality Candidate List
Configuration Control Logic

CCM Center Council Meeting
Controlled Carrier Modulation
Crew/Cargo Module

CCME Contract Change Mass Estimate

CCMS Checkout, Control, and Monitor Subsystem (LPS)
Command Control and Monitor System

CCN Contract Change Negotiation
Contract Change Notice

CCOH Corrosive Contaminants, Oxygen, and Humidity

CCOPE Cooperative Convective Precipitation Experiment

CCP Center Console Panel
Charge Capacitance Probe
Commercial Change Proposal
Computer Control Panel
Configuration Change Point
Configuration Control Panel
Configuration Control Phase
Contract Change Proposal
Cost Control Program

CCR	Configuration Change Request
	Contractor Change Request
	Control Center Rack
	Corner Cube Retroflectors
CCRA	Cape Canaveral Reference Atmosphere
CCRF	Consolidated Communication Recording Facility
CCS	Central Control Section
	Central Control Station
	Command and Communication System
	Command and Control Subsystem
	Complex Control Set
	Computer Core Segment
	Console Communication System
	Contamination Control System
CCSDS	Consultive Committee for Space Data Systems
CCSSO	Council of Chief State School Officers
CCT	Computer Compatible Tape
	Cost Commitment Team
CCTV	Closed Circuit Television
CCU	Camera Control Unit
	Central Control Unit
	Communications Carrier Unit
	Crewman Communications Umbilical
CCV	Chamber Coolant Valve
CCVA	Chamber Coolant Valve Actuator
CCW	Counterclockwise
CD	Center Director (KSC Directorate)
	Change Directive
	Coefficient of Drag
	Command Decoder MDM
cd	Candella (Luminous Intensity)
CDA	Command and Data Acquisition
	Critical Design Audit
CDB	Central Data Buffer
	Command Data Base
CDBFR	Common Data Buffer
CDC	Confined Detonating Cord
	Control Data Corporation
	Countdown Clock
CDCE	Cosmic Dust Collection Experiment
CDCR	Contractor Drawing Change Request
CDDF	Center Director's Discretionary Fund
CDDS	Command and Data System
CDDT	Countdown Demonstration Test
CDF&TDS	Circuit Design, Fabrication, and Test Data Systems
CDF	Cable Distribution Frame
	Central Data Facility
	Circuit Design Fabrication
	Confined Detonating Fuse
	Cool-Down Facility
CDH	Constant Delta Height
CDI	Course Deviation Indicator
CDM	Communications/Data Manager
CDMS	Command and Data Management Subsystem
CDN	CDR Discrepancy Notice
CDNR	CDR Discrepancy Notice Board
CDOS	Customer Data and Operations System
CDP	Command Data Processor
CDPIS	Command Data Processing and Instrumentation System
CDQR	Critical Design and Qualification Review
CDR	Cleaning, Decontamination Request
	Commander
	Critical Design Review
CDRL	Contract Data Requirements List

CDRR Component Design Requirements Review
Contract Documentation Requirements Records

CDS Central Data Subsystems (LPS)
Central Data System
Closeout Door System
Collision Detector System
Control Data Corporation
Control Data System

CDSC Communications Distribution and Switching Center

CDT Central Daylight Time
Command Descriptor Table
Compressed Data Tape
Configuration Data Table
Countdown Time

CDU Computer Display Unit
Control and Display Unit
Coupling Data Unit
Coupling Display Unit
CRT Display Unit

CDW Command Data Word
Computer Data Word

CE Change Evaluation
Civil Engineering
Control Element
Cost Element
Current Expendable

CE&IS Combined Elements and Integration Systems

CEA Control Electronics Assembly (for MMU)

CEC Control Electronics Container
Control Encoder Coupler

CECP Compatibility Engineering Change Proposal

CEDC Cycling Error Detection Code

CEI Configuration End Item
Contract End Item

CEIAC Coastal Engineering Information Analysis Center

CEIT Crew Equipment Integration Test
Crew Equipment Interface Test

CELSS Controlled Environment and Life Support System

CELV Complementary Expendable Launch Vehicle

CEP Circular Error Probable

CEQ Council on Environmental Quality

CER Cost Estimating Relationship

CERT Certification

CERV Crew Emergency Return Vehicle

CES Control Electronics System
Crew Escape System

CESC Canadian Space Agency Engineering Support Center

CETA Crew and Equipment Translation Aid

CETF Critical Evaluation Task Force

CEU Control Electronics Unit

CF Carrier Frequency
Center Forward
Centrifugal Force

CFD Computational Fluid Dynamics
Continuous Flow Diffusion
Converter, Frequency to dc Voltage

CFE Contractor Furnished Euipment

CFES Continuous Flow Electrophoresis System

CFI Card Format Identifier

CFLSE Critical Fluid Light Scattering Experiment

CFM Customer Furnished Material

CFMF Crip Flow Management Facility

CFP Conceptual Flight Profile

CFR Code Federal Regulation

CFRP Carbon Fiber Reinforced Plastics

CFSTI Clearinghouse for Scientific and Technical Information (now NTIS)

CFT Common Facilities Test

CFU Colony Forming Unit

CFY Company Fiscal Year

CG Center of Gravity

CGAU Cabin Gas Analysis Unit

CGC Command Guidance Computer

CGCD Crossed Grid Charge Detector

CGF Crystal Growth Furnace

CGG Contingency Gravity Gradient

CGP Central Grounding Point

CGSS Cryogenic Gas Storage Subsystem

CH Channel

CH_4 Methane

CHAMP Comet Halley Active Monitoring Program

CHAN Channel

CHAR Character

CHASE Coronal Helium Abundance Spacelab Experiment

CHCS Cabin Humidity Control Subsystem

CHeCS Crew Health Care System

CHG Change
Charge

CHGR Charger

CHL Certified Hardware List
Channel

CHMBR Chamber

CHR Cooper-Harper Rating

CHROMEX Chromosome and Plant Cell Division in Space

CHS Collimated Hole Structure

CHUTE Parachute

CHX Cabin Heat Exchanger

CI Certification Inspection
Color Interior Film
Configuration Inspection
Configuration Item
Continuous Interlock
Crew Interface

CIA Control Interface Assembly

CIAP Climatic Impact Assessment Program

CIB Change Impact Board
Change Implementation Board

CIC Command Interface Control
Continuing Improvement Council
Control and Information Center
Crew Interface Coordinator

CICA Competition in Contracting Act

CICC Cargo Integration Control Center

CICU Computer Interface Conditioning Unit
Computer Interface Control Unit

CID Charge Injection Device
Computer Interface Device

CIDL Configuration Item Data List

CIDR Critical Intermediate Design Review

CIE Communications Interface Equipment
Communications Interface Coordinator
Computer Interface Electronics

CIF Central Instrumentation Facility

CIFS Critical Initial Flaw Size

CIG Cable Integrity Group
Communications and Interface Group

CIL Critical Items List

CIM Computer Input Multiplexer

CIN Center Information Network
Change Identification Number

CINDAS Center for Information and Numerical Data Analysis and Synthesis

CIP	Coordinated Instrument Package
	Customer Integration Panel
CIR	Cargo Integration Review
	Change Incorporation Record
	Circle
	Circulate
	Configuration Inspection Report
CIRC	Circularization Burn, OMS2
CIRCUM	Circumference
CIRHS	Critical Items and Residual Hazards List
CIRRIS	Cryogenic Infrared Radiance Instrument for Shuttle
CIS	Central Integration Site
	Change Impact Summary
	Communication Interface System
	Component Identification Sheet
	Contractor's Information Submittal
	Customer Information System
CISS	Centaur Integrated Support Structure
CIT	Critical Item Tag
CITE	Cargo Integration Test Equipment
CIU	Computer Interface Unit
	Communications Interface Unit
	Controller Interface Unit
CIV	Critical Ionization Velocity
CIVT	Cargo Interface Verification Test
CJC	Cold Junction Compensator
CK	Check
CKAFS	Cape Kennedy Air Force Station (Changed to CCAFS)
CKPT	Checkpoint
CKRA	Cape Kennedy Reference Atmosphere (Changed to CCRA)
CKS	Checks
CKT	Circuit
CL	Centerline
	Close (Closed)
	Closed Loop
	Closed Loop Control Logic
	Cluster
	Coefficient of Lift
	Commonality List
Class	Classification
CLC	Change Letter Control
	Critical Load Cycle
CLDST	Closed Loop Dynamic Stability Test
CLG	Ceiling
CLIP	Combined Laser Instrumentation Package
CLM	Care Logic Module
CLMC	Central Logistics Management Center
CLNR	Cleaner
CLOC	Canadian Logistics Operation Center
CLR	Clear
CLRB	Cost Limit Review Board
CLS	Contingency Landing Site(s)
CLSO	Contingency Landing Support Officer
CLT	Closed Loop Test
CLUSTER	International Solar Terrestrial Physics Program
CM	Cargo Management
	Center of Mass
	Common Module
	Configuration Management
	Consumables Management
	Control Monitor
	Crew Module
cm	Centimeter
CM&S	Communications Maintenance and Storage
CMA	Configuration Management Accounting
	Cylindrical Mirror Assembly

CMACS Central Monitor and Control System

CMAO Contract Management Assistance Officer

CMAT Compatible Materials (List)

CMC Crew Module Computer
Command Module Computer

CMD Command
Contamination Monitor Package

CMD DCDR
Command Decoder

CME Cryogen Management Electronics

CMF Command Management Facility

CMG Control Moment Gyro
Control Momentum Gyroscope

CMIF Core Module Integration Facility

CMIS Core Module Integration Simulator

CMM Condition Monitored Maintenance

CMN Crewman

CMO Configuration Management Office

CMOS Complementary Metal Oxide Silicon

CMP Configuration Management Panel
Configuration Management Plan

CMPR Compare

CMPRT Compartment

CMPTD Computed

CMPTR Computer

CMPTR ACTY
Computer Activity

CMR Center Materials Representative

CMRB Contractor Material Review Board

CMRR Common Mode Rejection Ratio

CMS-2 Cambridge Monitoring System (IBM Computer Program)

CMS Command Management System

CMSI Checkout/Control and Monitor Subsystem Interface

CMT Crew Maintenance Time

CMTF Canadian Mockup and Training Facility

CMTS Computerized Maintenance Test System

CMV Common Mode Voltage

CN Change Notice

CNCR Characterization of Neurospora Circadian Rhythms

CNDS Condensate

CNP Canoga Park

CNRL Communications and Navigation Research Laboratory

CNS Computer Network System

CNSL Console

CNTL Control

CNTLR Controller

CNTR Counter

CNTRL Control
Controller

CNWDI Critical Nuclear Weapons Design Information

CO Cargo Operations (KSC Directorate)
Change Order
Checkout
Contracting Officer
Cutoff

CO_2 Carbon Dioxide

COA Center Operations Area

COAS Course Optical Alignment Sight
Crew(man) Optical Alignment Sight

COAX Coaxial, Coaxial Cable

COB Close of Business
Communications Office Building

COBE Cosmic Background Explorer

COBOL Common Business Oriented Language

COC Certification of Compliance
Close-Open-Close

COD Center Operations Directorate (JSC)

COE	Corps of Engineers
C of F	Construction of Facilities
	Cost of Facilities
COFI	Checkout and Fault Isolation (on Board)
COFR	Certificate of Flight Readiness
COFW	Certificate of Flight Worthiness
COI	Coast Orbital Insertion
	Composite Optics, Inc.
COIM	Checkout Interpreter (Software) Module
COL	Checkout Language
COLD-SAT	Cryogenic on Orbit Liquid Depot-Storage, Acquisition, Transfer
COLM	Column
COM	Common, Commonality
	Computer Output Microfiche
COM-M	Common Mode
COMAS	Combined Orbital Maneuvering and Abort System
COMAT	Compatibility of Materials
COMB	Combustion
COMEC	Communications Security
COMEDS	Continental U.S. Meteorological Data System
COMM	Communications
COMMAND	Computer Command Engineer
COMP	Compass
	Compensate
	Component
	Computation of Rendezvous Targeting
	Computer
COMPEN	Compensator
COMPL	Completed
COMPOOL	Common Data Pool
COMPR	Compress, Compressor
COMPT	Compartment
COMR&DSAT	Communication Research and Development Satellite
COMSAT	Communications Satellite
COMSEC	Communications Security
COMTEL	Compton Telescope
CON	Contact
CONCN	Concentration
COND	Condenser
	Condition, Conditioner
CONDR	Conditioner
CONF	Conference
CONFIG	Configuration
CONN	Connect, Connector
CONS	Console
CONSTR	Construct, Construction
CONT	Container
	Contingency
	Continue, Continued, Continuous
CONTAM	Contaminate
CONTIG	Contiguous
CONTR	Control, Controller
CONUS	Continental United States
CONV	Converter
COOP	Cooperative
COORD	Coordinate
COP	Contingency Operations Plan
	Co-orbiting Platform
COQ	Certificate of Qualification
COR	Contracting Officer Representative
CORE	Common Operational Reseach Equipment
COS	Carry-on Oxygen System
	Console Operating System
	Co-orbiting Satellite
	Cosine

COSATI Committee on Scientific and Technical Information

COSI Closeout System Installation

COSMIC Coherent Optical System of Modular Imaging Collectors

COSPAR Committee on Space Research

COSS Centaur Operations at the Space Station

COSTA Cost Accounting (Code)

COTR Contracting Officer's Technical Representative

COTS Commercial Off the Shelf

COV Cutoff Valve

CP Candle Power
Cargo Program Office (KSC)
Cargo Projects Office (KSC)
Center of Pressure
Chemically Pure
Circular Pitch
Cold Plate
Console Processor
Control Panel
Control Point

CP-DPO Deployable Payloads Projects Office (KSC)

CP-FEO Cargo Facilities and GSE Projects Office (KSC)

CP-PCO Cargo Projects-Program Control Office

CP-SPO Spacelab Projects Office (KSC)

CPA Contingency Planning Aid
Critical Path Analysis

CPAF Cost Plus Award Fee

CPC Central Planning Center
Characteristics Properties Code
Computer Program Component

CPCB Crew Procedures Control Board

CPCEI Computer Program Contract End Item

CPCI Computer Program Change Instruction
Computer Program Configuration Item

CPCL Computer Program Change Library
Computer Program Control Library

CPCR Computer Program Change Request
Crew Procedures Change Request (Form 482)

CPD Converter, Pulse to dc Voltage
Crew Passive Dosimeter
Crew Procedures Division

CPDDS Computer Program Detail Design Specification

CPDR Contractor's Preliminary Design Review

CPDS Computer Program Design (or Development) Specification
Crew Procedures Documentation System

CPE Change Package Engineer
Chief Program Engineer
Continuous Particle Electrophoresis

CPEI Computer Program End Item

CPES Crew Procedures Evaluation (Evaluator) Simulator

CPF Cargo Processing Facility
Central Processing Facility
Cost Per Flight

CPFF Cost Plus Fixed Fee

CPG Change Planning Group

CPI Cost Performance Index
Cross Pointer Indicator

CPIF Cost Plus Incentive Fee

CPL Capillary Pump Loop
Couple

CPLT Complete

CPM Computer Program Module
Critical Path Method
Cycles Per Minute (c/min preferred)

CPMP Crew Procedures Management Plan

CPP Competitive Placement Plan

CPR Critical Problem Report

CPS Canadian Payload Specialist
Cycles Per Second (c/s preferred)

CPSE Common Payload Support Equipment

CPSS Cold Plate Support Structure
Critical Phase System Software

CPT Cargo Processing Technician
Computer Program Tapes

CPU Central Processing Unit
Computer Printer Unit

CQCM Cryogenic Quartz Crystal Microbalance

CQDR Critical Qualification Design Review

CR Card Reader
Certification Requirement
Change Request
Configuration Review
Control Room
Crew

CR&T Command, Ranging, and Telemetry

CR/DIR Change Request Directive

CRAF Comet Rendezvous Asteroid Flyby

CRAS Cost Reduction Alternative Study

CRB Change Review Board

CRBD Change Review Board Directive

CRC Contractor Recommended Code
Cost Reduction Curve

CRD Change Request Disposition

CRDG Contamination Requirements Definition Group

CRDP Computer Resources Development Plan

CRES Corrosion Resistant Steel

CRG Change Review Group
Correspondence Review Group

CRIS Calibration Recall and Information System

CRISP Computer Resources Integrated Support Plan

CRISTA Cryogenic Infrared Spectrometers and Telescopes for Atmosphere

CRIT Critical

CRM Chemical Release Module

CRMD Computer Resources Management Data

CRN Cable Routing Rotation
Contract Revision Number
Cosmic Ray Nuclei Experiment

CRNE Cosmic Ray Nuclei Experiment

CRO Cathode Ray Oscillograph(s) or Oscilloscopes

CRP Configuration Requirements Processing

CRPL Cosmic Ray Physics Laboratory

CRR Computer Run Report
Critical Requirements Review

CRRES Combined Release and Radiation Effects Satellite

CRRF Cosmic Ray Radiation Facility

CRS CO_2 Reduction Subsystem
Course
Cross

CRSFD Crossfeed

CRSI Ceramic Reusable Surface Insulation

CRSS Critical Resolved Shear Stress

CRSVR Crossover

CRT Cathode-Ray Tube

CRTG Cartridge

CRU Catalytic Research Unit

CRW Control Read/Write

CRYO Cryogenic

CRYT Cryogen Tank

CS Change Status
Checkout Station
Common Set
Communications System
Consumables Status
Control Segment
Core Segment
Crew Station
STS Cargo Operations (KSC Directorate)
Spacelab Operations Directorate

CSA Canadian Space Agency
Cyclic Strain Attenuator

CSAA Committee on Space Astronomy and Astrophysics

CSAM Crinkled Single Aluminized Mylar

CSAS Computerized Status Accounting System

CSAT Combined Systems Acceptance Test

CSC Computer Sciences Corporation
Conical Shaped Charge
Contingency Support Center (CCAFS)
Cosecant Computing Amplifier

CSCB Contractor's Summary Cost Breakdown

CSCSAT Commercial Synchronous Communication Satellite

CSD Chemical Systems Division
Control System Development
Crew Systems Division

CSDD Control Systems Development Division (JSC)

CSDF Central Source Data File

CSDL Charles Stark Draper Laboratory (MIT)

CSDT Computer Software Data Tapes

CSE Catalytic Surface Effects Experiment
Common Support Equipment
Communications Systems Engineer
Computer Support Equipment
Configuration Switching Equipment

CSF Central Supply Facility
Cost Sensitivity Factor

CSI Coelliptic Sequence Initiation
Controls-Structures Interactions
Control Servo Input
Crew Software Interface

CSIR Computer Systems (Hardware/Software) Integration Review

CSIU Core Segment Interface Unit

CSL Command Signal Limiter
Computer Status Lights
Crew Systems Laboratory

CSM Command Service Module
Common Support Module
Computer Status Matrix

CSOC Consolidated Space Operations Center

CSOP Crew Systems Operating Procedures

CSP Computer Support Program

CSPU Core Segment Processing Unit

CSR Certification Status Report
Check Signal Return
Crew Station Review

CSRP Computers and Software Review Panel

CSR Crew Station Review

CSS Computer Subsystem
Control Stick Steering
Core Segment Simulator

CSSA Coarse Sun Sensor Assembly

CSSE Control System Simulation Equipment

CST	Central Standard Time (c.s.t. preferred)
	Combined Systems Test
	Contract Supplemental Tooling
	Crew Station Trainer
	Crew Systems Trainer (One-G Trainer)
CSTA	Crew Software Training Aid
CSTC	Consolidated Space Test Center
CSTR	Canister
CSTS	Cryogenic Storage and Transfer System
CT	Crawler Transporter
	Cupola Trainer
	Current Transformer
CTA	Computer Technology Associates (GSFC)
	Controlled Thrust Assembly
CTC	Camera, Timing, and Control
	Chief Test Conductor
CTE	Central Timing Equipment
CTI	Critical Transportation Item
CTIS	Crawler Transporter Intercom System
CTL	Canoga Test Laboratory
	Central or Control
CTM	Contract Technical Manager
	Crystalline Transitional Material
CTN	Certification Test Network
CTP	Communications Timing Procedure
	Cyclic Time Processor
CTPD	Crew Training and Procedures Division (JSC)
CTR	Contract Technical Representative
CTRS	Component Test Requirements Specifications
CTS	Call to Stations
	Canadian Technology Satellite
	Communications and Tracking System
	Computer Test Set
	Computerized Training System
	Coordinate Transformation System
CTSD	Computer Test Sequences Document
CTTB	Checkout Techniques Test-Bed
CTU	Central Timing Unit
CTWT	Counterweight
CU	Control Unit
cu	Cubic
CUB	Commonality Usage Board
CUC	Computer Usage Control
CUDS	Cumulative Data Statistics
CUE	Common Usage Equipment
CUF	Cross Utilization File
CUIL	Common Usage Item List
CUM	Cumulative
CUP	Commonality Usage Proposal
CV	Check Valve
	Coefficient of Variation
	Deployable Payloads Operation (KSC CO Dir.)
	Expendable Vehicles Operations (KSC Directorate)
CVAD	Converter, Voltage, ac to dc
CVAS	Configuration Verification Accounting System
CVDA	Converter, Voltage Discrete, ac
CVE	Computer Vehicle Erector
CVM	Control Valve Module
CVR	Change Verification Record
	Configuration Verification Review
CVRD	Converter, Variable Resistance, to dc Voltage

CVT	Chemical Vapor Transport
	Communications Vector Table
	Concept Verification Testing
CVTE	Chemical Vapor Transport Equipment
CW	Clockwise
	Command Word
	Continuous Wave
CWA	Caution and Warning Annunciator
	Clean Work Area
	Conference Work Area
	Controlled Work Area
CWE	Caution and Warning Electronics
CWEA	Caution and Warning Electronic Assembly
CWEU	Caution and Warning Electronics Unit
CWFSP	Caution and Warning/Fire Suppression Panel
CWG	Constant Wear Garment
CWLM	Caution and Warning Limit Module
CWS	Caution and Warning Status
	Caution and Warning System
CWSU	Caution and Warning Status Unit
	Condensate Water Servicing Unit
CX	Color Exterior Film
CY	Calendar Year
	Cycle
CYL	Cylinder

D

D	Deck
	Deliver (Delivery)
	Delta
	Down
	Drag
D&C	Display and Control (C&D preferred)
D&CS	Display and Controls Subsystem
D&O	Description and Operations
D&P	Drain and Purge
D&PD	Definition and Preliminary Design
D&PS	Design and Performance Specification
D&R	Definition and Requirement
D/A	Digital to Analog
D/C	Displays/Controls
D/L	Data Link
	Deorbit/Landing
	Downlink
	Downlist
D/S	Downstream
D/VD	Data/Voice Data
DA	Data Acquisition
	Deployment Assembly
	Distribution Assembly
	Double Amplitude
DA&D	Data Acquisition and Distribution
DAB	Data Acquisition Bus
DABS	Discrete Address Beacon System
DAC	Data Acquisition and Control
	Data Acquisition Camera
	Digital to Analog Converter
	Digital to Analytical Conversion
DACB	Data Acquisition and Control Buffer
DACBU	Data Acquisition and Control Buffer Unit
DACS	Data Acquisition and Control System
	Digital Acquisition and Control System
DACT	Disposable Absorption Collection Trunk
DADE	Data Acquisition and Decommutation Equipment
DADS	Data Archive and Distribution System
	Dual Air Density Satellite
DAE	Dual Acquisition Equipment
	Dynamic Augmentation Experiment
DAF	Data Acquisition Facility
	Data Analysis Facility
DAFT	Data Acquisition Frequency Table
DAIS	Data Avionics Information System
DAL	Data Accession List
	Data Acquisition List
	Data Aided Loop
DAM	Double Aluminized Mylar
	Driver Amplifier Module
DAP	Data Acquisition Plan
	Digital Autopilot
DAR	Data Aided Review
	Deviation Approval Request
	Digital Autopilot Requirements
	Drawing Analysis Record
DARPA	Defense Advanced Research Projects Agency
DARS	Data Acquisition and Reduction System
DARTS	Digital Automated Radar Tracking System
DAS	Data Acquisition System
	Data Analysis Station
	Digital Address System
	Digital Avionics System
	Documentation Accountability Sheet
DASA	Dual Aerosurface Servo Amplifier

DATE Dynamics, Acoustics, and Thermal Environment Experiment

DAU Data Acquisition Unit
Digital Adapter Unit

DAV Data Available

DAVL Data Available-Low

DB Data Base
Data Bus
Deadband
Design Baseline
Distribution Box
Dry Bulb

dB Decibel

DBC Data Bus Control
Data Bus Coupler

DBCI DB With Respect to a Circular Polarized Antenna

DBE Data Bus Element
Droplet Burning Experiment

DBFN Data Base File Number
Data Bus File Number

DBG Data Bus Group

DBGMP Data Bus Generation and Maintenance Package

DBI Data Bus Interface Unit-Launch

DBIA Data Bus Interface Adapter
Data Bus Isolation Amplifier

DBIU Data Bus Interface Unit

DBL Double

DBM Data Base Management

dBM Decibels Referred to 1 Milliwatt

DBN Data Bus Network

DBP Design Baseline Program

DBRN Data Bank Release Notice

DBS Data Base System

DBUR Data Bank Update Request

DBW Data Bus Wire

dBW Decibels Referred to 1 Watt

DC Data Coordinator
Development-Center
Display Coupler

dc Direct Current

DCA Defense Communication Agency
Design Change Authorization
Digital Command Assembly
Distribution Control Agency

DCAA Defense Contract Audit Agency

DCAR Design Corrective Action Report

DCAS Data Collection and Analysis System
Defense Contract Administration Services

DCC Data Computation Complex
Document Control Center

DCCU Digital Command and Control Unit
Digital Communications and Control Unit
Display Computer Control Unit

DCE Drop Combustion Experiment

DCIB Data Communication Input Buffer

DCIM/DSCIM Display System Computer Input Multiplexer

DCIU Digital Control and Interface Unit

DCKNG Docking

DCL Document Change List

DCM DECOM Control Memory
Direction Cosine Matrix
Display and Control Module

DCMB Development Configuration Management Board

DCN Design Change Notice
Document Change Notice
Drawing Change Notice

DCNP Document Change Notice Proposal

DCO Detailed Checkout

DCOP Detailed Checkout Procedures
Displays, Controls, and Operations Procedures

DCP Data Collection Platform
Depot Condemnation Percent
DEU Control Program
Development Cost Plan

DCPEI DEU Control Program End Item

DCR Design Certification Review
Design Change Request
Design Concern Report
Design Criteria Review
Document Change Record (or Review)

DCS Data Communication System
Data Control System
Design Communication System
Design Criteria Specification
Detail Checkout Specification(s)
Digital Command System (Subsystem)
Display and Control System
Document Control System
Dual Checkout Station

DCSI Data and Control Signal Interface

DCSP Digital Control Signal Processor

DCSU Digital Computer Switching Unit

DCU Digital Computer Unit
Display and Control Unit

DCV Direct Current Volts

DD Data Depository
Data Display
Decoder Driver
Dedicated Displays
Directives Documentation
Mechanical and Facilities Engineering (KSC DE Dir.)

DD&CS Dedicated Display and Control Subsystem

DD/HH:MM:SS
Day/Hour:Minute:Second

DDA Digital Differential Analyzer
ICD Departure Authorization

DDAS Digital Data Acquisition System

DDC Data Distribution Center
Defense Documentation Center
Digital Data Cell

DDD Design Definition Document
Display Decoder Drive

DDDL Digital Data Downlink

DDDU Digital Decoder Driver Unit

DDI Dedicated Display Indicator
Discrete Data Input
Discrete Digital Input

DDIS Data Depository Index System

DDL Data Downlink
Dedicated Discipline Laboratory

DDM Data Display Module
Data Display Monitoring
Discrete Data Management
Drop Dynamics Module

DDMS DOD Manager for Space Shuttle Support

DDO Discrete Digital Output

DDP Design Development Plan
Digital Data Processing (Processor)

DDPC Digital Data Processing Center (Complex)

DDPF Dedicated Display Processing Function

DDPS Digital Data Processing System

DDR Data Discrepancy Report
Design Development Record
Detail Design Review

DDS Data Display System
Detailed Design Specification
Documentation Distribution System

DDT&E Design, Development, Test, and Engineering/Evaluation (Flights)
Design, Development, Test, and Evaluation

DDTF Dynamic Docking Test Facility

DDTS Dynamic Docking Test System

DDU Data Display Unit
Decommutator Distribution Unit
Display Driver Unit

DDU-KB Data Display Unit and Keyboard

DE Design Engineering (KSC Dir.)
Doppler Extractor
Dynamics Explorer

DEACT Deactivate

DEC Declination

DECL Direct Energy Conversion Laboratory (JSC)

DECOM Decommutate, Decommutator

DECR Decrease

DECS Civil Engineering Office at Vandenberg

DECU Data Exchange Control Unit

DED Dedicate, Dedicated

DEDA Data Entry and Display Assembly

DEE Digital Events Evaluator

DEF Definition

DEFL Deflect

DEG Degree

DEI Design Engineering Identification

DEIS Design Engineering Inspection Simulation
Design Evaluation Inspection Simulator

DEL Deliver, Delivery
Deorbit, Entry, and Landing

DELTA-T Difference in Temperature

DEMOD Demodulate, Demodulator

DEMS Dynamics Environment Measurement System

DEMUX Demultiplexer

DEORB Deorbit

DEPL Deploy

DEPRESS Depressurize

DEPT Department

DER Drawing Error Report

DERIGID Derigidize

DES Data Exchange System
Descend, Descent
Design

DESAT Desaturated

DESC Descent

DESIG Designate

DESPOT Design Performance Optimization

DEST Destination

DET Detail
Detent
Digital Event Timer

DETN Detection

DETR Detector

DEU Display Electronic(s) Unit

DEV Develop, Development

DEVN Deviation

DEW Distant Early Warning

DF Development Flight
Development-Forward
Direction Finder (Finding)
Disassembly Facility
Project Management (KSC DE Dir.)

DF-SPE-A Shuttle Project Engineering Office

DFCS Digital Flight Control Software (System)

DFE Data Flow Engineer
Direction Finding Equipment

DFG Display Format Generator

DFI Development Flight Instrumentation
Discrete Input High

DFRC Hugh L. Dryden Flight Research Center

DFR Defrost

DFRN Differential
Differential Velocity

DFRN PRESS Differential Pressure

DFS Directional Finding System
Dynamic Flight Simulator

DFVLR Deutsche Forschungs-und Versuchsanstalt Fur Luft-und Raumfahrt
Federal German Aerospace Research Establishment

DG Display Generator

DH Decision Height

DHA Design Hazards Analysis

DHE Data Handling Electronics

DHS Discrete Horizon Sensor

DI Data Integrator
Development Integration
Discrete Input
Display Interface
Display Interface Processor (Software Functional Element)

DIA Diameter

DIAG Diagonal

DIAGN Diagnose

DIDS Defense Integrated Data System

DIF Difference
Discrete Increment Filter

DIFF Differential

DIG Digital Image Generation

DIGI Digital

DIH Discrete Input High

DIL Deliverable Items List
Discrete Input Low

DIM Design Interface Meeting

DIMEN Dimension

DIP Designated Inspection Point
Display Input Processor
Display Interface Processing (Processor)

DIPEC Defense Industrial Plant Equipment Center

DIPL Display Initial Program Load

DIR Direct
Document Information Record

DIRM Data Item Responsibility Matrix

DIS Disagree
Documentation Index System

DISAP Disapproved

DISASSY Disassembly

DISC Discone
Disconnect
Discrete

DISCH Discharge

DISENG Disengage

DISP Dispenser
Display
Display Functions

DIST Distribution

DISTR Distributor

DIT Data Id Table
Dynamic Integrated Test

DITFAC Development, Integration, and Test Facility

DIU Data Interface Unit
Digital Interface Unit

DIV Division

DK	Deck
	Display/Keyboard
	Docking
DKR	Dakar, Senegal
DL	Development-Left
	Downlink
	Electronics Engineering (KSC DE Dir.)
DLAT	Destructive Lot Acceptance Testing
DLC	Direct Lift Control
DLIM	Delimiter
DLS	Doppler Lidar System
	Dynamic Load Simulator
DLSC	Defense Logistics Service Center
DLSM	Data Link Summary Message
DLTR	Data Link Terminal Repeater
	Data Link Transmission Repeater
DLY	Delay
DM	Data Manager
	Development Motor
	Developmental Instrumentation MDM-Mid
	Disassembly Manual
	Docking Mechanism
	Document, Documentation
DM&O	Data Management and Operations
DMA	Direct Memory Access
	Direct Memory Address
	Drive Motor Assembly
DMC	Data Management Computer
	Data Management Controller
	Data Management Coordinator
	Direct Maintenance Cost
DMCF	Deservicing, Maintenance, and Checkout Facility
DMD	Dextrous Manipulator Demonstration
DME	Distance Measuring Equipment
DMG	Data Management Group
DMIA	Dual Multiplexer Interface Adapter
DMIS	Data Management Information System
DML	Developmental Instrumentation MDM-Left
DMON	Discrete Monitoring
DMOS	Diffusive Mixing of Organic Solutions
DMP	Deployable Maintenance Platform
	DEU Message Processor
	Dump
DMR	Developmental Instrumentation MDM-Right
DMRS	Data Base Management and Retrieval System
DMS	Data Management System
	Docking Mechanism System (Subsystem)
	Docking Module Subsystem
	Dynamic Motion Simulator
DMSP	Defense Meteorological Satellite Program
DMSS	Data Management System Simulator (CVT)
DMU	Data Management Unit
DN	Discrepancy Notice
	Down
DNA	Does Not Apply
DNLK	Downlink (D/L preferred)
DNLT	Downlist
DNO	Descending Node Orbit
DNP	Dynamic Nuclear Polarization
DO	Discrete Output
DOA	Department of Agriculture
DOB	Date of Birth
DOC	Department of Commerce
	Discipline Operations Center
	Document, Documentation
DOCS	Data Operations Control System

DOD Department of Defense
Depth of Discharge

DOD-STP Department of Defense–Standard Satellite

DODD Department of Defense Directive

DOE Department of Energy

DOF Degree-of-Freedom
Direction of Flight

DOH Discrete Output High

DOI Descent Orbit Insertion

DOL Department of Labor
Discrete Output Low

DOMSAT Domestic Satellite

DOP Detailed Observing Plan
Diver Operated Plug

DOS Disk Operating System

DOSIM Dosimeter

DOT Department of Transportation
Deployment Operations Team

DOT/CIAP DOT Climatic Impact Assessment Program

DOV Director of Orbital Verification

DOY Day of Year

DP Data Package
Data Processing
Delayed Procurement
Deployable Payload
Design Proof
Development Phase
Differential Pressure
Double Pole
Double Precision

DP&S Data Processing and Software

DP&SS Data Processing and Software Subsystem

DP/DT Delta Pressure/Delta Time

DPA Data Processing Assembly
Destructive Physical Analysis

DPD Data Procurement Document

DPF Differential Pressure Feedback
Dynamic Pressure Feedback

DPI Detail Program Interrelationships

DPLR Doppler

DPM Drop Physics Module
Dual Port Memory

DPNL Distribution Panel

DPP Deployment Pointing Panels

DPPS Department of Defense (DOD) Project Specification

DPR Definition Phase Review

DPS Data Processing and Software
Data Processing Software System
Data Processing System (Subsystem)

DPT Design Proof Test

DPY Deploy

DR Data Requirement
Dead Reckoning
Design Review
Development-Right
Discrepancy Report
Discrete Register
Dispatch Reliability
Disposition Record
Door
Drive

DR&A Data Requirements and Analysis

DRA Document Release Authorization

DRB Design Requirements Baseline
Design Review Board

DRC Data Reduction Center
Discrete Rate Command

DRD Data Requirement Description
Data Requirements Document
Detailed Requirements Document
Document Requirement Description

DRF Data Request Form
Digital, Radio Frequency
Documentation Requisition Form

DRG Digital Ranging Generator

DRI Data Rate Indicator

DRIRU Dry Rotor Inertial Reference Unit

DRK Display Request Keyboard

DRL Data Requirements List
Document Requirements List

DRM Data Records Management
Design Reference Mission
Drawing Requirements Manual

DRN Drain

DRO Document Release Order

DROG Drogue

DROP Dynamics of Rotating and Oscillating Free Drops

DRR Data Recorder/Reproducer
Design Requirements Review

DRS Data Relay Satellite
Data Relay Station
Digital Range Safety

DRSS Discrepancy Report Squawk Sheet

DRT Design Reference Timeline

DRUC Disposition Record Unsatisfactory Condition

DS Data Storage
Directional Solidification

DS&R Data Storage and Retrieval

DSA Defense Supply Agency

DSAD Data Systems and Analysis Directorate (JSC)

DSB Document Status Bulletin
Double Side Band

DSC Data Separator Card
Dedicated Signal Conditioner

DSCRM Discriminator

DSCS Defense Satellite Communications System

DSDU Data Storage Distribution Unit

DSE Data Storage Equipment
Data System Experiment

DSEA Data Storage Electronics Assembly

DSI Defense Systems Incorporated

DSIF Deep Space Instrumentation Facility

DSKY Display Keyboard

DSM Data System Manager

DSN Deep Space Network

DSO Detailed Secondary Objectives
Detailed Supplementary Objectives

DSP Defense Support Program

DSPL Display

DSPM Designated Subsystems Project Manager

DSS Data Systems Supervisor
Deep Space Station
Department Summary Schedule
Documentation Support Services

DSSM Dedicated Solar Sortie Mission

DST Dimensional Special Tooling
Dynamic Stability Test

DSTF Delta Spin Test Facility

DSTP Data System Technology Program

DSUWG Data System Users Working Group

DSW Door Switch

DT Delayed Time
Digital Test Measurement System
Drop Tank

DTA Development Test Article
Differential Thermal Arrest
DTC Design to Cost
DTCS Digital Test Command System
DTCW Data Transfer Command Word
DTE Data Transmission Equipment
Digital Television Equipment
DTF Development Test Flight
DTI Development Test Instrumentation
DTM Digital Transient Model
DTMO Development, Test, and Mission Operations
Digital Test Measurement System
DTMS Development, Test, and Mission Support (DTMO)
Digital Test Measurement System
Digital Test Monitoring System
DTO Detailed Test Objective
DTP Detail Test Plan
DTPR Detailed Test Procedures
DTRD Development Test Requirements Document
DTS Data Transfer System
Data Transmission System
DTV Development Test Vehicle
DU Display Unit
DUA Digital Uplink Assembly
DUC Digital Uplink Command
DUM Dummy
DUPLX Duplex
DUPLXR Duplexer
DUR Duration
DV Designated Verification
Designee for Verification
DVD Delta Velocity Display
DVM Digital Voltmeter
DVS Design Verification Specification
Digital Voice System
DVT Design Verification Testing
Development Verification Test
DW Data Word
DWG Drawing
DWI Data Word In
DWS Disaster Warning Satellite
DWV Dielectric Withstanding Voltage
DY Deputy Director (KSC Directorate)
DYN Dynamic
DXS Diffuse X-Ray Spectrometer

E

E	East
	Elevation Angle
	Engine
	Exempt (From Traceability)
E&D	Engineering and Development
	Engineering and Development Directorate (JSC)
E&I	Electrical and Instrumentation
E&OO	Engineering and Operations Office
E-E	End-to-End
E-P	Electron/Proton
E/C	Encoder/Coupler
E/L	Entry/Landing
E/M	Engineering Model
E/O	Engineering/Operations
E/O-IMS	E/O-Information Management System
E/W	Energy to Weight Ratio
EA	Each
	Electronic Assembly
EAC	Energy Absorbing Capacity
	Estimate at Completion
	Experiment Apparatus Container
EAD	Electrically Alterable Device
EADI	Electronic Attitude Director Indicator
EADS	Engineering Analysis and Data System
EAFB	Edwards Air Force Base
	Eglin Air Force Base
	Ellington Air Force Base
EAM	Electrical Accounting Machine
EAP	Employee Assistance Program
EAR	Engineering Analysis Report
EAS	Equivalent Air Speed
EASE	Experiment Assembly of Structures in Extravehicular Activity
EAT	Environmental Acceptance Test
EB	Electronic Beam
	Emergency Box
EBC	Emulated Buffer Computer
EBCDC	Extended Binary Coded Decimal
EBD	Eyeballs Down (+GZ)
EBI	Eyeballs In (+GX)
EBL	Eyeballs Left (+GY)
EBO	Eyeballs Out (-GX)
EBR	Eyeballs Right (-GY)
EBS	Emergency Breathing Subsystem
EBU	Eyeballs Up (-GZ)
EBW	Electron Beam Welding
	Exploding Bridge Wire
EC	Element Contractor
	Engine Control
	Engine Cutoff
	Essentiality Code
	Events Controller
	Events Coupler
	Experiment Computer
ECA	Electronics Control Assembly
	Engineering Change Analysis
	Epoxy Curing Agent
ECAS	Experiment Computer Applications Software
ECB	Engineering Change Board
	Event Control Block
	Events Control Buffer
ECC	Engineering Change Control
	Engineering Critical Component
ECCB	Engineering Change Control Board
ECD	Engineering Control Drawing
	Estimated Completion Date
ECE	Experiment Checkout Equipment

ECEP Experiment Checkout Equipment Processor

ECF Element Charge Factor
Equivalency Capability File

ECG Electrocardiogram

ECI Earth Centered Inertia (Inertials)

ECIO Experiment Computer Input/Output

ECL Entry Closed Loop

ECLS Environmental Control and Life Support

ECLSS Environmental Control and Life Support System (Subsystem)

ECN Engineering Change Notice

ECO Engine Combustion
Engine Cutoff
Engineering Change Order

ECOS Experiment Computer Operating System

ECP Engineering Change Program
Engineering Change Proposal
Engineering Control Proposal
Explicitly Coded Program

ECR Engineering Change Request
Engineering Change Review

ECRA Engineering Change Request/ Authorization

ECS Engine Control System
Environmental Conditioning System
Environmental Control System (Subsystem)

ECU Electronic Coupling Unit
Environmental Control Unit

ECWS Environment Control Workstation

ED Edge Distance
Edit
Engineering Directive
Explosive Device

EDA Electronic Display Assembly
Elevation Drive Assembly

EDAX Compositional Analysis

EDB Environmental Data Book

EDC Engineering Design Change

EDC(M) Electrochemical Depolarized CO_2 (Module)

EDCP Engineering Design Change Proposal

EDDR Electron Dipole-Dipole Reservoir

EDF Engineering Data File

EDLN Engineering Development Logic Network

EDM Electro-Discharge Machining

EDNi Electro-Deposit Nickel

EDO Extended Duration Orbiter

EDP Electronic Data Processing
Embedded Data Processor

EDPE Electronic Data Processing Equipment

EDPM Electronic Data Processing Machine

EDR Engineering Design Review

EDS Electrical Distribution System
Emergency Detection System
Explosive Device System

EDT Eastern Daylight Time (e.d.t. preferred)

EDU Engineering Development Unit

EDV Electronic Depressurizing Valve

EDW Edwards (TACAN Station)
Edwards Air Force Base, CA (Deorb OPT site)

EE End Effector

EEC Extendible Exit Cone

EECOM Electrical, Environmental, and Communications
Electrical, Environmental, Consumables, and Mechanical Systems (MPSR)

EECOMP Electrical, Environmental, and Consumables System Engineer

EED Electro (Electrical) Explosive Device

EEE Electronic, Electrical, Electro-mechanical

EEEU End Effector Electronics Unit

EEG Electroencephalogram

EEH EMU Electrical Harness

EEIS End-to-End Information System

EEL Electrical Equipment List

EELS Electron Energy Loss Spectroscopy

EEM Earth Entry Module

EENT Eye, Ear, Nose, and Throat

EEO Equal Employment Opportunity

EEP Electronics Equipment Package

EES Ejection Escape Suit
Emergency Ejection Suits

EET Entry Elapsed Time

EETB Electronic Electrical Termination Building

EEU Extravehicular Excursion Unit

EEVT Electrophoresis Equipment Verification Test

EF Exposed Facility

EFA Experiment Flight Applications

EFCS Earth Fixed Coordinate System

EFF Efficiency

EFFGRO Efficient Growth (Computer Program)

EFL Engineering Field Laboratory

EFP ESA Furnished Property

EFRD Experiment Functional Requirements Document

EFTO Encrypted for Transmission Only

EG Entry Guidance

EGA Evolved Gas Analysis

EGC Experiments Ground Computer

EGF Electrical, Grapple Fixture

EGIL Electrical, General Instrumentation, and Lighting Engineer

EGO Eccentric (Orbiting) Geophysical Observatory

EGRET Energetic Gamma-Ray Explorer Telescope

EGRS Egress

EGSE Electrical Ground Support Equipment

EGT Elapsed Ground Time
Estimated Ground Time
Exhaust Gas Temperature

EGUN Fast Pulse Electron Gun

EH/M Extension Hose/Mouthpiece

EHC Electrical Heating Control

EHF Extremely High Frequency

EHOT External Hydrogen/Oxygen Tank

EHP Effective Horsepower
Electrical Horsepower

EHR Earned Hour Ratio

EHS Environmental Health Services

EHX Experiment Dedicated Heat Exchanger

EI Electromagnetic Interference
Electronic Interface
End Item
Engineering Instruction
Entry Interface
Environmental Impact

EIA Electrical Industries Association

EIASN End Item Assembly Sequence Number

EIC Experimental Intercom

EID End Item Documentation

EIDP End Item Data Package

EIFA Element Interface Functional Analysis

EIR Environmental Impact Report

EIRP Effective Isotropic Radiated Power

EIS Electrical Integration System
End Item Specification
Environmental Impact Statement
Experiment Initiator System
Extended Instruction Set

EIT Entry Interface Time

EIU Engine Interface Unit

EIVT Electrical and Instrumentation Verification Test
Electrical Interface Verification Test
Electronic Installation Verification Test

EJN Ejection

EKC Eastman Kodak Company

EKG Electrocardiogram (Record)
Electrocardiograph (Instrument)

EL Elastic Limit
Electroluminescent
Elevate
Elevation Angle
Equipment List

EL MECH Electromechanical

ELACS Extended Life Attitude Control System

ELB Elbow

ELDISC Electrical Disconnect

ELDO European Launcher Development Organization

ELDV Electrically Operated Depressurization Valve

ELEC Electric
Electronic

ELECT Electrical

ELECTR Electronics

ELEV Elevon

ELF Extremely Low Frequency (1 Hz to 3 kHz)

ELGRA European Low Gravity Research Association

ELINT Electromagnetic Intelligence

ELM Experiment Logistics Module

ELMCH Electromechanical

ELMS Elastic Loop Mobility System Elements

ELRAD Earth-Limb Radiance Experiment

ELS Earth Landing System (Subsystem)
Eastern Launch Site
Elevon Load System
Emergency Landing Site
Energy Loss Spectroscopy

ELSC Earth Landing Sequence Controller

ELSS Emergency Life Support System

ELT Emergency Locator Transmitter

ELV Earth Launch Vehicle
Electrically Operated Valve
Expendable Launch Vehicle

ELVN Eleven

EM Electromagnetic
Emergency
Engineering Model
Exception Monitor

EMA Electromagnetic Analysis

EMC Electromagnetic Compatibility

EMCC Emergency Mission Control Center

EMCD Electromechanical Control Diagram

EMCI Engineering Model Configuration Inspection

EMCP Electromagnetic Containerless Processing

EMCPS Electromagnetic Containerless Processing Science

EMD Entry Monitor Display

EMEC Electromagnetic Effects Capability
Electromagnetic Effects Compatibility

EMER Emergency

EMES	Electrical, Mechanical, and Environmental Systems
EMF	Electromagnetic Force Electromotive Force
EMG	Electromyograph(gram) Surface Electromyograms
EMI	Electromagnetic Interference
EMIS	Emission
EMK	Emergency Medical Kit
EML	Electromagnetic Laboratory Electromagnetic Levitator
EMN	Engineering Management Network
EMON	Exception Monitoring
EMP	Electromagnetic Pulse Environmental Measurement Payload Equipment Mounting Plate
EMPGS	Electrical/Mechanical Power Generation Subsystem
EMR	Electromagnetic Radiation Engine Mixture Ratio
EMRL	Equipment Maintenance Requirements List
EMS	Electromagnetic Susceptibility Engineering Master Schedule Engineering Modeling System Entry Monitor Subsystem Entry Monitoring System
EMSF	External Maintenance and Servicing Facility
EMSS	Electromagnetic Servoactuator System
EMT	Electromechanical Test
EMU	Engineering Model Unit Extended Memory Unit Extravehicular Mobility Unit
EMU-TV	Extravehicular Mobility Unit—Television
E-MUX	Electrical Multiplex
ENA	Enable
ENC	Encode
ENCD	Encode
ENCL	Enclose
END EFF	End Effector
ENDF	Evaluated Neutron Data File
ENG	Electronystagnogram Engine, Engineer
ENGR	Engineer
ENGRG	Engineering
ENT	Entry
ENVIR	Environment, Environmental
EO	Earth Observation Earth Orbit Engineering Order Engine Out Equal Opportunity Program Orffice (KSC Directorate)
EOC	End of Contract Engine Order Capability Engine-out Capability
EOD	Entry on Duty Environmental Observation Division Estimated on Dock Explosive Ordnance Disposal
EODB	End of Data Block
EOF	End of File
EOG	Electroculogram
EOGO	Eccentric Orbiting Geophysical Observatory
EOHT	External Oxygen and Hydrogen Tanks
EOI	Earth Orbit Insertion
EOIM	Evaluation of Oxygen Interaction With Materials
EOL	End of Line

EOM Earth Observation Mission
End of Message
End of Mission
End of Month
Engineering Operations Manual
Equations of Motion

EOMF End of Minor Frame

EOO Equal Opportunity Office

EOP Earth and Ocean Physics
Emergency Oxygen Pack
Experiments of Opportunity

EOPAP Earth and Ocean Physics Application Program

EOR Earth Orbit Rendezvous

EOS Earth Observation Satellite
Earth Observing System
Earth Orbit Shuttle
Emergency Oxygen Supply
Emergency Oxygen System
Extended Operating System

EOT End of Tape
End of Transmission

EOW Energy Over Weight

EP Elbow Pitch
Electrical Power
Environmental Protective Plan

EPA Environmental Protection Agency

EPAR External Tank Project Assessment Review

EPC Error Protection Code
External Power Contractor

EPCDC Electrical Power Conditioning, Distribution, and Control

EPD Electrical Power Distribution
Emergency Procedures Document

EPDB Electrical Power Data Base
Electrical Power Distribution Box
Experiment Power Distribution Box

EPDC Electrical Power Distribution and Control

EPDCS Electrical Power Distribution and Control System (Subsystem)

EPDM Ethylene Propylene Diene Monomer

EPDS Electrical Power and Distribution Subsystem
Electrical Power Distribution System
Experiment Power and Data System

EPE Energetic Particle Explorer

EPG Electrical Power Generator

EPL Electrical Power Level
Electronic, Electrical, and Electro-mechanical Parts List
Emergency Power Level

EPMS Engineering Performance Management System

EPO Element Project Office

EPOC External Payload Operations Center

EPPS Electrical Power/Pyro Sequential System

EPR Engine Pressure Ratio

EPRIB Emergency Position Indicating Radio Beacon

EPRN Emergency Program Release Notice

EPROM Erasable Programmable Read Only Memory

EPS Electrical Power System (Subsystem)
Evaluation Planning System
Experimental Power Supply

EPSP Experiment Power Switching Panel

EPT Emergency Procedure Trainer
Ethylene Propylene Terpolymer

EPTU Events Per Time Unit

EPWG Environmental Projects Working Group

EQ Equivalent

EQE Event Queue Element

EQL Equal

EQUIP Equipment

EQUIV Equivalent

ER Explanation Report

ERA Electrical Replaceable Assembly
Exabiology and Radiation Assembly

ERAP Earth Resources Aircraft Program

ERB Engineering Review Board

ERBE Earth Radiation Budget Experiment

ERBE-NS ERBE Nonscanner

ERBE-S ERBE Scanner

ERBS Earth Radiation Budget Satellite

ERC Event Recorder

ERCA Electrochemically Regenerable CO_2 Absorber

ERD Experiment Requirements Document

EREP Earth Resources Package

ERG Ergometer

ERIP Experiment Requirement and Implementation Plan

ERL Environmental Research Laboratory

ERNO 'Entwicklungts Ring Nord' Organization, Space Division of European Consortium, VFW-Fokker-Mannheim, Germany (Spacelab Contractor)

ERO Engineering Release Operations

EROS Earth Resources Observation System

ERP Effected Radiative Power
Effective Radiation Power
Eye Reference Point

ERPM Engineering Requirements and Procedures Manual

ERR Error

ERR CNTR Error Counter

ERRC Expendability/Recoverability/Repair Capability

ERS Earth Recovery Subsystem
Engineering Release System
Entry and Recovery Simulation

ERS-1 Earth Remote Sensing Satellite-1

ERSI Elastomeric Reusable Surface Insulation

ERSIR Earth Resources Shuttle Imaging Radar

EROS Earth Resources Observation System

ERTS Earth Resources Technology Satellite

ERU Earth Rate Unit

ERV Expiratory Reserve Volume

ES Electrical System
Equipment Section
Equipment Shelf
Escape System
Experiment Segment

ESA Engineering Supply Area
Engineering Support Assembly
European Space Agency
Explosive Safe Area

ESB Essential Switching Box

ESC Engine Start Command
Engineering Support Center
Escape

ESCA Electron Spectroscopy for Chemical Analysis

ESCU Extended Service and Cooling Umbilical

ESD Electrostatic Discharge
Emergency Shutdown
Experiment Systems Division

ESDAC European Space Data Center (Darmstadt, Germany)

ESDU Event Storage and Distribution Unit

ESE Electrical Support Equipment
Electronic Support Equipment
EVA Support Equipment

ESF Explosive Safe Facility

ESI Electrical System Integration

ESMC Eastern Space and Missile Center (formerly AFETR), also ETR

ESME Eastern Space and Missile Center

ESMR Electrically Scanned Microwave Radiometer

ESO European Southern Observatory
Event Sequence Override

ESOC European Space Operations Center

ESOW Engineering Statement of Work

ESP Electroshock Protection
Employee Suggestion Program
Engine Service Platforms
Experiment Sensing Platform

ESPS Experiment Segment Pallet Simulator

ESR Effective Sunrise
Engineering Support Request

ESRIN European Space Research Institute

ESRO European Space Research Organization

ESS Effective Sunset
Electroexplosive Device
Environmental Support System
Equipment Support Section
Essential
Experiment Subsystem Simulator

ESSA Environmental Sciences Services Administration

EST Eastern Standard Time (e.s.t. preferred)
Estimate(d)

ESTA Electronic System Test Equipment
Escape System Test Article

ESTEC European Space Research and Technology Center
European Space Technology Center

ESTL Electronic Systems Test Laboratory

ESV Emergency Shutoff Valve

ESVS Escape Suit Ventilation System
Escape System Ventilation System

ESW Engine Status Word

ET Edge Thickness
Elapsed Time
Elevated Temperature
Event Timer
External Tank

ET-SEP External Tank Separation

ETA Environmental Test Article
Estimated Time of Arrival
Estimated Time to Acquisition
Explosive Transfer Assembly
External Tank Attachment

ETB Equipment Transfer Bag

ETC Earth Terrain Camera
Estimate to Completion
Greenbelt, Maryland (STDN Site)

ETCA ET Intertank Carrier Plate Assembly

ETCO Equipment Transfer/Change Order

ETD Electrical Terminal Distributor
Estimated Turnover Date
External Tank Door

ETE End-to-End

ETED External Thermal Environment Data

ETEDB External Thermal Environment Data Base

ETI Elapsed Time Indicator

ETLOW External Tank Lift-Off Weight

ETM Elapsed Time Meter
Engineering Test Motor

ETP Equipment Test Plan

ETR Eastern Test Range (ESME preferred)
Experiment Tape Recorder

ETROD Eastern Test Range Operations Directive

ETS Electrical Test Set
Energy Transfer System
External Tank System (Subsystem)

ETSS External Tank Separation Subsystem

ETU Engineering Test Unit

ETVA External Tank Vent Arm

EU Electronic Unit
Engineering Units
Experimental Unit

EURECA European Retrievable Carrier

EUROCOMSAT European Consortium Communications Satellite

EUV Extreme Ultraviolet

EUVE Extreme Ultraviolet Explorer Satellite

EV Expendable Vehicles
Extravehicular

eV Electron Volts

EVA Earned Value Analysis
Extravehicular Activity

EVAL Earth Viewing Applications Laboratory
Evaluate, Evaluation

EVAP Evaporator

EVAS Extravehicular Activity System

EVATA Extravehicular Activity Translational Aid

EVA WS EVA Workstation

EVC Extravehicular Communications

EVCON Events Control (Subsystem)

EVCS Extravehicular Communications System

EVCU Extravehicular Communications Umbilical

EVD External Visual Display

EVF Equipment Visibility File

EVLSS Extravehicular Lift Support System

EVM Earth Viewing Module

EVMU Extravehicular Mobility Unit

EVO Engineering Verification Order

EVS Equipment Visibility System
Extravehicular Suit

EVSC Extravehicular Suit Communications

EVSS Extravehicular Space Suit

EVSU Extravehicular Space Unit

EVT Engineering Verification Test
Extravehicular Transfer

EVVA Extravehicular Visor Assembly

E/W Energy Over Weight

EWA Estimated Warehouse Arrival

EWE Emergency Window Escape

EWO Engineering Work Order

EWR Engineering Work Request

EX Executive Management Office (KSC Directorate)

EXC Experiment Computer

EXCH Exchange

EXEC Execute

EXH Exhaust

EXO Experiment Operator (in Spacelab)

EXP Expand
Experiment
Exposure

EXPEN Expendable

EXT	Experiment Terminal (Operator Console on Spacelab)
	Extension
	External
EXTD	Extend
EXTER	External
EXTGH	Extinguish

F

F	Fahrenheit
	Failure
	Farad (SI Unit of Capacitance)
	Female
	Forward
	Front
F&E	Facility and Environment
F&S	Fire and Smoke Detection
F/A	Failure Analysis
	Fuel-Air
F/C	Fit Check
	Flight Controller
	Fuel Cells
F/D	Fill/Drain
F/E	Full/Empty
F/F	Fill/Full, Full/Fill
F/O	Fuel/Oxidizer Ratio
F/R	Flared Rudder
FA	Failure Analysis
	Final Approach
	Final Assembly
	Flight Aft
	Flight Critical Aft
	Fully Automatic
FA/COSI	Final Assembly and Closeout System Installation
FAA	False Alarm Avoidance
	Federal Aviation Administration
FAB	Fabricate, Fabrication
FAC	Facility
FACI	First Article Configuration Inspection
FACO	Fabrication and Acceptance Checkout
	Factory Acceptance Checkout
	Factory Assembly and Checkout
	Final Assembly Checkout
FACS	Facilities Control
	Finance and Control System
FACT	Flexible Automatic Circuit Tester
FAD	Final Approach Display
FAF	First Aerodynamic Flight
FAGS	Federation for Astronomical and Geophysical Services
FAIR	Fabrication, Assembly, and Inspection Record
FAJ	Final Assembly Jig
FAL	First Approach and Landing (Test)
FAM	Familiarization
FAMOS	Flight Acceleration Monitor Only System
FAO	Flight Activities Officer
FAP	Final Approach Plane
FAR	Failure Analysis Report
	Federal Aviation Regulation
	Final Acceptance Review
	Flight Acceptance Review
FAR-UV	Far Ultraviolet Camera
FARC	Federal Archives and Records Center
FASCOS	FLight Acceleration Safety Cutoff System
FAT	Flight Attitude Table
FAUST	Far Ultraviolet Space Telescope
FAWG	Flight Assignment Working Group
FAX	Facsimile Transmission
FB	Feedback
	Final Braking
FBAS	Fixed Base Aft Station
FBC	Fluidized-Bed Combustion
FBCS	Fixed Base Crew Station (SMS)
FBS	File Backup System
	Firefighters Breathing System
	Flare Buildup Study

FBV	Field Base Visit
	Fuel Bleed Valve
FC	Fit Check
	Flight Computer
	Flight Control
	Flight Critical
	Fuel Cell
	Furnace Container
FCA	Flight Configuration Audit
	Fluids Control Assembly
	Frequency Control Analysis
	Functional Compatibility Analysis
	Functional Configuration Audit
FCAF	Flight Crew Accommodations Facility
FCAP	Flight Control Applications Program
FCC	Federal Communications Commission
	Flat Conductor Cable
	Flight Control Computer
	Flight Crew Compartment
FCCP	Firm Contract Cost Proposal
FCD	Flight Control Division (JSC)
	Function Control Document
FCDB	Flight Control Data Bus
FCDC	Flexible Confined Detonating Cord
FCE	Flight Control Equipment
	Flight Crew Equipment
FCEF	Flight Crew Equipment Facility
FCEI	Facility Contractor End Item
FCF	First Captive Flight
	Flight Critical Forward
	Functional Check Flight
FCFM	Flight Combustion Facility Monitor
FCH	Flight Controllers Handbook
FCHL	Flight Control Hydraulics Laboratory
FCI	Flight Control Indicator
	Functional Configuration Identification
FCIM	Flight Control Interface Module
FCIP	Flight Cargo Implementation Plan
FCL	Freon Coolant Line
	Freon Coolant Loop
FCMU	Foot Controlled Maneuvering Unit
FCN	Function
FCO	Final Checkout
	Functional Checkout
FCOH	Flight Controllers Operational Handbook
FCOS	Flight Computer Operating System (Orbiter)
	Flight Control Operating System
	Flight Control Operational Software
FCP	Failure Correction Panel
	Firm Cost Proposal
	Flight Correction Proposal
	Fuel Cell Power (Plant)
FCPS	Fuel Cell Power System (Subsystem)
FCR	Final Configuration Review
	Flight Configuration Review
	Flight Control Room
FCRA	Fecal Collection Receptable Assembly
FCRT	Flight Display CRT
FCS	Fecal Containment System
	Federal Communications System
	Financial Control System
	Flight Control System (Subsystem)
	Flight Crew System
FCSM	Flight Combustion Stability Monitor
FCSS	Fuel Cell Servicing System
FCT	Flight Control Team
	Flight Crew Trainer
	Fuel Cell Test
FCTB	Flight Crew Training Building
FCTF	Fuel Cell Test Facility
FCTS	Flight Crew Trainer Simulator
FCU	Fluid Checkout Unit

FCW Format Control Words

FD Fault Detection
Feed
Flight Day
Flight Deck
Flight Director
Freeze Dried
Function Designator

FD WMR Food Warmer

FDA Fault Detection and Annunciation
Flight Deck Assembly (FDF)

FDAI Flight Director Attitude Indicator

FDB Fahrenheit Dry Bulb

FDD Flight Definition Document

FDDB Function Designator Data Base

FDE Fluid Dynamics Experiment

FDF Flight Data File
Flight Dynamics Facility

FDI Failure Detector Indicator
Fault Detection and Identification
Fault Detection and Isolation

FDIIR Fault Detection, Isolation, Identification, and Recompensation

FDIR Fault Detection Identification/Isolation and Recovery/Recognition

FDL Flight Director Loop

FDLN Feedline

FDM Flight Data Manager
Frequency Data Multiplexer
Frequency Division Multiplexing

FDMA Full Diameter Motorized Door Assembly

FDO Fee Determination Official
Flight Dynamics Officer

FDOR Flight Design Operations Review

FDR Final Design Review
Flight Data Recorder
Functional Design Review

FDRD Flight Definition and Requirements Document

FDRI Flight Director Rate Indicator

FDS Fire Detection and Suppression
Flight Design and Scheduling
Flight Design System
Flight Dynamics Simulator
Flight Dynamics Software/System
Fluid Distribution System
Functional Design Specifications

FDSC Flight Dynamics Simulation Complex
Flight Dynamics Situation Complex

FDU Fluid Distribution Unit

FDX Full Duplex

FEA Failure Effects Analysis
Fluids Experiment Apparatus

FEAT Final Engineering Acceptance Test

FEB Forward Equipment Bay

FEC Field Engineering Change
Forward Events Controller

FED Flight Events Demonstration

FEDP Facility and Equipment Design Plan

FEE Flight Support System

FEGLI Federal Employees Group Life Insurance

FEID Flight Equipment Interface Device
Functional Engineering Interface Device

FEM Finite Element Method

FEMCPL Facilities and Envir. Measurement Comp. Parts List

FEP	Flight Evaluation Plan
	Fluoro Ethel Propane
	Fluorinated Ethylene Propylene
	Front End Processor
FERD	Facility and Equipment Requirements Document
FERS	Federal Employees Retirement System
FES	Flash Evaporator System
	Flight Element Set
	Fluid Experiment System
FES/VCGS	Fluid Experiment System/Vapor Crystal Growth System
FESL	Failure Effects Summary List
FET	Field Effect Transistor
	Flight Elapsed Time
FEWG	Flight Evaluation Working Group
FF	Flight Forward
	Flip Flop
	Free Flight
FFBD	Functional Flow Block Diagram
FFC	Final Flight Certification
FFD	Fixed Format Display
	Functional Flow Diagram
FFM	Free-Flying (Experiment) Module
FFP	Firm Fixed Price
FFTO	Free-Flying Teleoperator
FGE	Fine Guidance Electronics
FGS	Fine Guidance Sensors
	Fine Guidance System
FGSE	Fine Guidance System Electronics
FH	Flex Hose
FHC	Flight Half Coupling
FHD	Fixed Head Disk
FHF	First Horizontal Flight
FHO	Failed Handover
FHP	Fuel High Pressure
FHS	Forward Heat Shield
FHST	Fixed-Head Star Tracker
FI	Fault Identification
	Flight Instrumentation
	Formal Inspection
FIAR	Failure Investigation Action Report
FID	Failure Identification
	Flight Implementation Directive
FIDO	Flight Dynamics Officer
FIE	Flight Instrumentation Engineer
FIFO	First In—First Out (High Speed Data Buffers)
FIG	Figure
FIIG	Federal Item Identification Guide
FIL	Filament
FILE	Feature Identification and Location Experiment
FIO	Furnished and Installed by Others
FIPS	Federal Information Processing Standards
FIR	Fuel Indicating Reading
FIRST	Far-Infrared Space Telescope
FIS	Facility Interface Sheets
FIT	Fault Isolation Test
	First Computer Interface Tester
FITH	Fire-in-the-Hole
FIV	Fuel Isolation Valve
FKB	Flight Display Keyboard
FKF	Flight Kits Facility
FL	Fail
	Feed Lines
	Flowline
FL MECH	Fluid Mechanical
FLAP	Flight Application Software
FLC	Federal Library Committee
	Forward Load Control
FLCA	Forward Load Control Assembly

FLD Field

FLEX Flexible

FLEXBEAM USAFA's Flexible Beam Experiment

FLG Flag
Flange

FLLK Frustum Lifting Lug Kit

FLN Fuel Line

FLOT Flotation

FLP Flap

FLPS Flight Load Preparation System

FLR Failure
Flare

FLS Flight Surgeon

FLSC Flexible Linear Shaped Charge

FLT Flight
Floating

FLT/HDWE Flight Hardware

FLTR Filter

FLTSATCOM Fleet Satellite Communications

FLUOR Fluorescent

FLW Fellows (TACAN Station)

FM Failure Mechanics
Flight Model
Frequency Modulation (Modulated)
Furnace Module

FM/FM Frequency Modulation/Frequency Multiplexing

FM/PM Frequency Modulation/Phase Modulation

FMA Failure Mode Analysis

FMAHTS Flight Manifest and Hardware Tracking System

FMANTS Flight Manifest

FMC Food Machinery Corporation

FMCF First Manned Captive Flight

FMDM Flex Multiplexer/Demultiplexer

FMEA Failure Modes and Effects Analysis

FMEA/CIL Failure Mode Effects Analysis/ Critical Items List

FMEC Forward Master Events Controller

FMECA Failure Mode, Effects, and Criticality Analysis

FMFIA Federal Manager's Financial Integrity Act

FMK Field Modification Kit

FML Fault Message Line
Final Materials List

FMO Financial Management Office
Flight Medical Officer

FMOF First Manned Orbital Flight

FMOFEV First Manned Orbital Flight With EVA

FMOFPL First Manned Orbital Flight With Payload

FMR Field Modification Request
Function Max Rate

FMS Fluid Management System
Food Management System (Subsystem)

FMSP Frequency Modulation Signal Processor

FMT Flight Management Team
Format

FMX FM Transmitter

FND Facility Need Date

FNL Final

FNT Failure Notification Telex

FO Fail Operational
Fiber Optics
Functional Objectives

FO/FS Fail-Operational/Fail-Safe

FOB Flight Operations Building
Free on Board

FOC Faint Object Camera (on HST)
Focus
Full Operational Capability

FOD Flight Operations Directorate (JSC)

FOE Flight Operations Engineer

FOF First Operational Flight
First Orbital Flight
Flight Operations Facilities

FOIH Flight Operations Integration Handbook

FOMMS Flight Operations Maintenance Management System

FOMR Flight Operations Management Room

FOP Flight Operations Panel
Flight Operations Plan
Follow on Production

FOPG Flight Operations Planning Group

FOPP Follow on Parts Production

FOPS Flight Operations Planning Schedule

FOR Flight Operations Review
Force

FORTRAN Formula Translation

FOS Faint Object Spectrograph (on HST)
Flight Operations Support

FOSDIC Film Optical Sensing Device for Input to Computers

FOSO Flight Operations Scheduling Officer

FOSP Flight Operations Support Personnel

FOST Flight Operations Support Team

FOT Flight Operations Team

FOV Field of View (Vision)
First Orbital Vehicle

FP Fine Pointing
Fixed Point
Flight Plan
Freezing Point
Fuel Pressure
Function Path
Fuse Plug

FPA Focal Plane Assembly

FPB Fuel Preburner (Space Shuttle Main Engine)

FPBOV Fuel Preburner and Oxidizer Valve

FPC Fluids Pressure Control
Forward Power Controller

FPCA Forward Power Control Assembly

FPE Functional Program Element

FPEG Fast Pulse Electron Gun

FPHB Flight Procedures Handbook

FPI Fabry-Perot Interferometer

FPIF Fixed Price Incentive Fee

FPL Full Power Level
Full Power Load

FPLC Full Power Level Certification

FPM Feet Per Minute
Folding Platform Mechanism

FPOV Fuel Preburner Oxidizer Valve

FPOVA Fuel Preburner Oxidizer Valve Actuator

FPP Freon Pump Package

FPPR Fixed Price With Price Revision

FPR Flight Performance Reserve

FPS Feet Per Second
Flight Per Second
Floating Point System
Focal Plane Structure
Forward Power Supply
Frames Per Second

FPU Floating Point Unit

FPV Flow Proportioning Valve

FQ Flight Qualification

FQI Flight Qualification Instrumentation

FQR Flight Qualification Recorder
Flight Qualification Review

FQT Formal Qualification Test

FR Firing Room
Flight Rule
Frame
Functional Requirements

FRAGNET Fragmented Network

FRB Failure Review Board

FRC Flight Research Center, California

FRCS Forward Reaction Control System (Subsystem)

FRD Flight Requirements Document

FRDT Facility Requirements Definition Team

FRE Flight Related Element
Format Request Element

FREQ Frequency

FREQ CONV Frequency Converter

FREQ DIV Frequency Divider

FRF Flight Readiness Firing

FRFT Flight Readiness Firing Test

FRJD Forward Reaction Jet Driver

FRL Flame Retardant Latex
Frame Reference Line
Fuselage Reference Line

FRM Fluid Resupply Module

FRMT Format

FRP Fuselage Reference Plane

FRR Flight Readiness Review

FRRID Flight Readiness Review Item Description
Flight Readiness Review Item Disposition

FRSI Felt Reusable Surface Insulation

FRT Flight Readiness Test
Flight Readiness Training
Frequency Response Test

FRUSA Flexible Roll-Up Solar Array

FRZR Freezer

FS Fail-Safe
Fail to Sync
Fault Summary
Federal Specification
Fire Suppression
Flight System
Freon Servicer
Full Scale
Functional Schematic
Fuselage Station

FSAA Flight Simulator for Advanced Aircraft

FSC Federal Stock Classification

FSCM Federal Supply Code for Manufacturers

FSCP Fire Sensor Control Panel

FSD Flight Simulation Division (JSC)
Full Scale Development

FSDVF Flight Software Development and Verification Facility

FSE Flight Simulation Engineer

FSF First Static Firing

FSGS Flare/Shallow Glide Slope

FSI Final Systems Installation

FSIM Functional Simulator

FSIWG Flight System Interface Working Group

FSK Frequency Shift Keyed (Keying)

FSL Flight Simulation Laboratory
Flight Systems Laboratory

FSLO First Spacelab Payload

FSLT First Sea Level Test

FSM Fluid System Module
Fuel Supply Module

FSMDB Flight Support Maintenance Data Base

FSMMS	Flight Support Maintenance Management System
FSN	Federal Stock Number
FSO	Functional Supplementary Objectives
FSOH	Flight Support Operations Handbook
FSP	Fault Summary Page
FSR	Final System Release
	Flight Specific Requirements
FSRR	Flight Software Readiness Review
	Flight System Readiness Review
FSRS	Flight System Recording System
FSS	Field Spectrometer System
	Fire Suppression System
	Fixed Service Structure
	Flight Support Station (for MMU)
	Flight Support Structure
	Flight Support System
	Flight Systems Simulator
FSSA	Fine Sun Sensor Assembly
FSSR	Flight Systems Software Requirements
	Functional Subsystem Software Requirements
FSTE	Factory Special Test Equipment
FSU	Freon Servicing Unit
FSW	Flight Software
FT	Flight Team
	Flight Test
	Formal Training
	Functional Test
ft	Feet
FT&SC	Formal Training and Certification
ft^3/min	Cubic Foot Per Minute
ft/s	Feet Per Second
FTA	Fatigue Test Article
	Fault Tree Analysis
	Flight Test Article
FTC	Flight Test Conductor
	Florida Test Center (MDAC)
FTE	Factory Test Equipment
	Flight Test Engineer
	Forced Test End
	Full-Time Equivalent
FTIR	Fourier Transfer Infrared Spectrophotometer
FTIS	Flight Test Instrumentation System
FTM	Furnace Translation Mechanism
FTMD	Flight Torque Measurement Demonstration
FTMS	Fluid Transfer Management System
FTO	Flight Test Objective
	Functional Test Objectives
FTOH	Flight Team Operations Handbook
	Flight Test Operations Handbook
FTP	Flight Test Procedure
	Full Throttle Position
	Functional Test Progress
	Functional Test Program
FTR	Flight Test Requirement
	Functional Test Requirement
FTRD	Flight Test Requirements Document
	Functional Test Requirements Document
FTS	Federal Telecommunications System
	Flight Telerobotic Servicer
	Flight Test Station
	Flight Test System
	Functional Test Specifications
FTT	Fischer-Tropsch Type (Synthesis)
FU	Flight Unit
	Fuel
FUB	Forward Utility Bridge
FUD	First Use Date
FUNC	Function

FUNCT Functional

FUO Follow-Up Output

FURB Facilities Utilization Review Board

FUS Fuselage

FUS/LF Fuselage, Lower Forward

FUS/UF Fuselage, Upper Forward

FUSE Far Ultraviolet Spectroscopy Explorer

FUSLG Fuselage

FV Flight Vehicle
Flight Version
Front View

FVF First Vertical Flight

FVMS Fluid Volume Measurement System

FVP Flight Verification Payload

FVV Facility Verification Vehicle

FW Flag Word
Fuel Wasting

FWB Fahrenheit Wet Bulb

FWC Filament Wound Case

FWD Forward

FWD HT SHLD
Forward Heat Shield

FWG Facility Working Group

FWHM Full Width at Half Maximum

FWSI Fairchild-Weston Systems, Inc.

FWW Food, Water, and Waste

FWWM Food, Water, and Waste Management

FWWMS Food, Water, and Waste Management System (Subsystem)

FXD Fixed

FY Fiscal Year

G

G	Giga (Billion)
	Gravity
	Gravitational Constant
	Units of Gravitational Force
g	Gram
G&A	General and Administrative
G&C	Guidance and Control
G&N	Guidance and Navigation
G&NS	Guidance and Navigation Subsystem
G-A	Ground-to-Air
G-G	Ground-to-Ground
G-II	Gulfstream II (Shuttle Training Aircraft)
G-GPRF	Gradient General Purpose Rocket Furnace
G-MEM	General Memory
	GPC-Memory
G-V	Gravity-Velocity
G/A	Ground-to-Air
G/E	Graphite Epoxy
G/G	Ground-to-Ground
G/T	Antenna Gain-to-Noise Temperature Ratio
	Gradient-to-Cooling Ratio
GA	Gauge
	General Assembly
	Glide Angle
	Gyro Assembly
GA&CS	Ground Acquisition and Command Station
GaAs	Gallium Arsenide (Crystals)
GAB	Gas Adapter Beam
GAC	Ground Attitude Control
	Grumman Aerospace Corporation
GACU	Ground Air Conditioning Unit
	Ground Avionics Cooling Unit
GAIN	Graphic Aids for Investigating Networks
GAM	Gamma
GAO	General Accounting Office
GAP	GOAL Automatic Procedure
GAPL	Group Assembly Parts List
GAS	Get Away Special
GASPI	Guidance Attitude Space Position Indicator
GATE	Get Away Tether Experiment
GATP	Ground Acceptance/Article Test Procedure
GATT	Gate Assisted Turnoff Thyristor
GB	Gigabit
GBA	Gas Bridge Assembly
GBDLS	Ground-Based Doppler Lidar System
GBI	Grand Bahama Island
GBL	Government Bill of Lading
GBR	Glass Bead Rating
GBS	Gas Bridge System
	Ground Based Software
GBT	Ground-Based Test
GC	Gigacycles (1,000 Megacycles)
	Ground Control
	Guidance Control
	Gyrocompassing
GCA	Ground Controlled Approach
GCC	Ground Communications Coordinator
	Ground Control Center
GCCC	Ground Control Computer Center
GCCO	Ground Control Checkout
GCD	Gyro-Compass, Desired Cluster Orientation
GCDC	Ground Checkout Display and Control

GCDCS Ground Checkout Display and Control System

GCE Ground Checkout Equipment

GCEL Ground Control Experiment Laboratory

GCF Ground Communications Facility

GCHX Ground Cooling Heat Exchanger

GCI Ground Controlled Interception

GCIL Ground Control Interface Logic

GCILC Ground Command Interface Logic Controller

GCILU Ground Control Interface Logic Unit

GCL Ground Control Landing

Ground Coolant Loop

GCN Ground Communications Network (A/G Worldwide Net)

Ground Control Network

GCO Ground Checkout

GCOS General Computer Operational System

Ground Computer Operating System

GCR Galactic Cosmic Ray

Ground Controlled Radar

GCS Ground Communications System

Guidance Cutoff Signal

GCTS Gas Component Test Stand

Ground Communication(s) Tracking System

GCU General Control Unit

Generator Control Unit

Ground Cooling Unit

Gyro Coupling Unit

Gyro Display Coupler

GCV Gaseous Oxygen Control Valve

GD Guard

GDA Gimbal Drive Actuator/Assembly

GDBS Generalized Data Base System

GDC General Dynamics Convair

General Dynamics Corporation

Gyro Display Coupler

GDFA Gas Jet Diffusion Flame Apparatus

GDMS Ground Data Management System

GDO Guidance Officer

GDP Generalized Documentation Processor

GDS GNC Dynamic Simulator

Goldstone, CA (STDN Site, 1st antenna)

GDSD Ground Data Systems Division

GDSM Ground Data Systems Manager

GDSO Ground Data Systems Officer

GDSSR GDSD Staff Support Room

GDX Goldstone, CA (STDN Site, 2nd Antenna)

GE General Electric

GECALL GCOS Program Element Name

GEDAC General Electric Detection and Automatic Correction

GEM General Electronics Module

GEN Generate, Generator

GENOPAUSE

Geodetic Satellite in Polar Geosynchronous Orbit

GEO Geostationary Earth Orbit

Geosynchronous Earth Orbit

GEOD Geodetic

GEODSS Ground-based Electro-optical Deep-Space Surveillance System

GEOS-2 Geodetic Earth-Orbiting Satellite 2

GEOSAR Geosynchronous Earth Orbit Synthetic Aperture Radar

GEOSEPS General Summary Edit Program

Geosynchronous Solar Electric Propulsion Stage

GERT Graphical Evaluation and Review Technique

GES Goddard Experiment Support System

GESYOT GCOS Program Element Name
GET Ground Elapsed Time
GETI Ground Elapsed Time of Ignition
GETIL Ground Elapsed Time of Landing (for TIG of Abort Burn)
GETS Ground Equipment Test Sets
GeV Gigaelectron Volt
GF Gauge Factor
GF&P Gases, Fluids, and Propellants
GFAE Government Furnished Aerospace Equipment
Government Furnished Aircraft Equipment
GFD Government Furnished Data
GFE Government Furnished Equipment
GFFC Geophysical Fluid Flow Cell Experiment
GFGAS Gradient Furnace for Get Away Special Canister
GFM Government Furnished Material
GFP Government Furnished Property
GFRP Glass Fiber Reinforced Plastics
Graphite Fiber Reinforced Plastics
GFS Government Furnished Software
GFY Government Fiscal Year
GG Gas Generator
Gravity Gradient
GGEM Gravity Gradiometer Explorer Mission
GGS Global Geosynchronous Science
GGSTIDE Global Geosynchronous Science Thermal Ions Dynamics Experiment
GGVM Gas Generator Valve Module
GH_2 Gaseous Hydrogen
GHA General Housekeeping Area
Greenwich Hour Angle
GHC Ground Half Coupling
GHCD Growth Hormone Concentrations and Distribution
GHe Gaseous Helium
GHF Gradient Heating Facility
GHRS Goddard High Resolution Spectrpgraph
GHX Ground Heat Exchanger
GHz Gigahertz
GIA GPC Interface Adapter
GIDEP Government-Industry Data Exchange Program
GIE Ground Instrumentation Equipment
GIM Generalized Information Management
GIRD Ground Integration Requirements Document
GITG Ground Interface Technical Group
GIWG Ground Interface Working Group
GKS Graphical Kernel System
GLAADS Gun Low Altitude Air Defense System
GLC Generator Line Contractor
GLD Glide Slope
GLL Galileo
GLM Gimbal Latch Mechanism
GLOMR Global Low Orbiting Message Relay
GLOW Gross Lift-Off Weight
Ground Lift-Off Weight
GLP Goal Language Processor
GLRSHLD Glare Shield
GLS Ground Launch Sequence (Sequencer)
GLY Glycol
Water-Glycol Mixture
GM Gaseous Mixture
Geometric Mean
GMAL General Electric Macro Assembly Language
GMBL Gimbal
GMCL Ground Measurements Command List

GMIL	Spaceflight Tracking and Data Network (STDN) Station (KSC)
GML	General Measurement Loop
GMM	Geometric Math Model
GMMC	Ground Master Measurements List
GMMMU	Ground Mounted Manned Maneuvering Unit
GMN	Gorman (TACAN Station)
GMT	Greenwich Mean Time (G.m.t. preferred)
GN	Gain
	Ground Network
GN_2	Gaseous Nitrogen
GN&C	Guidance, Navigation, and Control
GNC	Guidance and Navigation Computer
GNCFTS	GN&C Flight Test Station
GNCIS	GN&C Integration Simulator
GNCS	Guidance and Navigation Control System
GNCTS	GN&C Test Station
GND	Ground
GND C/O	Ground Checkout
GNP	Gross National Product
GO	General Order
GO_2	Gaseous Oxygen
GOAL	Ground Operations Aerospace Language
GOC	Ground Operations Center
	Ground Operations Coordinator
GOCA	Ground Operations Control Area
GOCO	Government Owned—Contractor Operated
GOE	Ground Operating Equipment
GOES	Geostationary Environmental Satellite System
	Geostationary Operational Environment Satellite
	Geosynchronous Operational Environmental Satellite
GOFS	Global Ocean Flux Study
GOM	KSC Ground Operations Manager at DFRC or WSMR
GOMMS	Ground Operations and Material Management System
GOMS	Ground Operations Management System
GOP	Ground Operations Panel
GOPG	Ground Operations Planning Group
GOR	Ground Operations Review
GORP	Ground Operations Requirements Plan
	Ground Operations Review Panel
GORS	Ground Observer RF System
GOSS	Ground Operations Support System
GOWG	Ground Operations Working Group
GOX	Gaseous Oxygen (GO_2)
GP	General Publication (KSC)
	General Purpose
	Group
GP-B	Gravity Probe B
GPA	General Purpose Amplifier
	GIDEP Problem Advisory
GPAS	General Purpose Airborne Simulator
GPBIM	General Purpose Buffer Interface Module
GPC	Gel Permeation Chromatograph
	General Purpose Computer
GPCB	GOAL Program Control Block
GPD	Gimbal Position Display
GPF	Gas Processing Facility
GPH	Gallons Per Hour (gal/h preferred)
GPI	Gimbal Position Indicator
	Ground Position Indicator
GPL	General Purpose Laboratory
	Goal Processing Language

GPM Gallons Per Minute (gal/min preferred)
GPME General Purpose Mission Equipment
GPPF Gravitational Plant Physiology Facility
GPRF General Purpose Rocket Furnace
GPRF-G General Purpose Rocket Furnace-Gradient
GPRF-I General Purpose Rocket Furnace-Isothermal
GPRN GOAL Test Procedure Release Notice
GPS Gallons Per Second (gal/s preferred)
General Processing Subsystem
Global Positioning Satellite
Global Positioning System
Ground Power Supply
Ground Processing Simulation
GPSA Global Position Satellite
GPSS General Purpose System Simulator
GPTE General Purpose Test Equipment
GPU Ground Power Unit
GPUR GOAL Test Procedure Update Request
GPWS General Purpose Work Station
GR Ground Rule
GRE Gamma Ray Explorer
GRID Graphic Retrieval and Information Display
GRILLE Grille Spectrometer
GRITS Gamma-Ray Imaging Telescope Study
grms Gravities Route Mean Square
GRN Green
GRO Gamma Ray Observatory
GRTLS Glide Return to Landing Site
Glide Return to Launch Site
GS Gas Servicer
General Schedule
Glide Slope
Ground Speed
Ground Station
Ground System
GSA Gas Supply Assembly
General Services Administration
GSAT General Satellite (STS)
GSC Guide Star Catalog
GSCD Ground Systems Control Document
GSCU Ground Service Cooling Unit
GSDL Ground Software Development Laboratory
GSE Ground Servicing Equipment
Ground Support Equipment
GSEL Ground Support Equipment List
GSFC Goddard Space Flight Center (Greenbelt, MD)
GSI Glide Slope Indicator
Government Source Inspection
GSIU Ground Standard Interface Unit
GSO Ground Support Office
Ground Support Operations
Ground Systems Operations
GSOC German Science Operations Center
GSP Ground Support Personnel
Ground Support Position
GSRP Graduate Student Researchers Program
GSS Ground Support Software
Ground Support System
GSSA Ground Support Systems Activation
GSSC Ground Support Simulation Computer
Ground Support Systems Contractor
GSSI Ground Support System Integration
GSSS Guide Star Selection System

GST Ground System Test

GSTAR General Satellite (ELV)

GSTDN Ground Space Flight Tracking and Data Network

Ground Spacecraft Tracking and Data Network

GSTF Ground Systems Test Flow

GSU Gas Servicer Unit

GSVP Ground Support Verification Plan

GT Greater Than

Ground Team

Ground Test

Gyro Torque

GT&A Ground Test and Acceptance

GTA Gas Tungsten Arc

Ground Test Access

Ground Test Article

Ground Torquing Assembly

GTC Glycol Trim Console

Ground Test Conductor

GTCU Ground Thermal Conditioning Unit

GTE General Telephone and Electronics

GTI Grand Turk Island

Ground Test Instrumentation

GTM Ground Team Manager

Ground Test Motor

GTO Geosynchronous Transfer Orbit

GTS General Test Support

GN&C Test Station

GNS Test Station

GTU Glycol Trim Unit

Ground Test Unit

GTV Ground Test Verification

GUCA Ground Umbilical Carrier Assembly

GUCP Ground Umbilical Carrier Plate

GUID Guidance

GUIDO Guidance Officer

GUL GSE Utilization List

GUSB Guided Unifed S-Band

GV Gigavolt

GVA GOX Vent Arm

GVO Gaviota (TACAN Station)

GVT Ground Vibration Test

GVTA Ground Vibration Test Article

GW Gross Weight

GWA General Work Area

GWM Guam (STDN)

GWT Ground Winds Tower

GYM Guaymas, Mexico (Remote Site)

GYRO Gyroscope

GYROA Gyro A

GYROCOMP Gyrocompassing

H

H	Altitude
	Hazardous (Task Classification)
	Head
	Henry (SI Unit)
	High
	Horizontal
	Hot
	Momentum
h	Hours
$\dot{H}$	Altitude Rate
(H)	Hazardous (Task Classification)
H2	Hawaii
H_2	Hydrogen
H_2O	Water
H-CITE	Horizontal-Cargo Integration Test Equipment
H/E	Heat Exchanger
H/L	Hardline
H/O	Handover
H/S	Heat Shield
H/S IR	Hardware/Software Integration Review
H/T	Heat Treat
H/W	Hardware
HA	Apogee Altitude
	Hazard Analysis
	High Altitude
HAA	High Altitude Abort
HAB	Habitation
HABT	Habitability Technology
HAC	Heading Alignment Center
	Heading Alignment Circle
	Heading Alignment Cone
	Heading Alignment Cylinder
HACBSS	Homestead and Community Broadcasting Satellite Service
HAD	Heat Actuated Device
HAFB	Holloman Air Force Base
HAK	Horizontal Access Kit
HAL	High Order Articulated Language
	High Order Assembly Language
	High Temperature Acoustic Levitator
	Houston Aerospace Language
HAL/S	High Order Assembly Language for Shuttle Flight Computer
	High Order Assembly Language/ Shuttle
	High Order Programming Language for Spacelab Usage
HALEX	Halogen Lamp Experiment
HALOE	Halogen Occultation Experiment
HAM	Height Adjustment Maneuver
HAO	High Altitude Observatory
HAP	Hardware Allocation Panel
HAPI	High Altitude Plasma Instrument
HARP	Hyperbolic Analyzer Retarding Potential
HAS	Holddown Alignment Support
	Hydraulic Actuation System
	Hydrogen Actuation System
HAST	High Altitude Supersonic Target
HAW	Hawaii (STDN)
HB	Handbook
	High Bay
HBR	High Bit Rate
HBT	Heflex Bioengineering Test
HBW	Hot Bridge Wire
HC	Hand Controller
	Head Count
	Hybrid Computer
HCED	Hand Controller Engage Driver

HCF	High Cycle Fatigue
	HIM Configuration File
HCL	Horizontal Centerline
HCM	Hard Copy Module
HCCM	Heat Capacity Mapping Mission
HCR	High Cross Range
HCS	Hardware Certification Sheet
HCSI	Hughes Communications Services, Inc.
HCSL	Hybrid Computation and Simulation Laboratory
HCU	Hydraulic Charging Unit
HCV	Hydrogen Check Valve
HD	Heavy Duty
	Highly Desirable
	Holddown
	Horizontal Drain
	Hydrogen Drain
HDA	Housekeeping Data Acquisition
HDC	Hasselblad Data Camera
	Hybrid Device Controller
HDDR	High-Density Digital Recorder
HDG	Heading
HDOS	Hughes-Danbury Optical Systems, Inc.
HDP	Holddown Post
HDPF	Holographic Data Processing Facility
HDQ	Headquarters
HDR	High Data Rate
HDRA	High Data Rate Assembly
HDRM	High Data Rate Multiplexer
HDRR	High Date Rate Recorder
HDRS	High Data Rate System
HDRSS	High Data Rate Storage System
HDS	Hardware Description Sheet
HDST	Headset
HDW	Hardware
HDWE	Hardware
HE	Heat Exchange (Exchanger)
	High Energy Astrophysics
He	Helium
HEAO	High Energy Astronomy Observatory
HEAP	High Energy Aim Point
HECV	Helium Check Valve (HeCV preferred)
HEE	Hydrogen Environmental Embrittlement
HEG	Helium Gauge (HeG preferred)
HEGV	Helium Gauge Valve (HeGV preferred)
HEM	Hitchhike Experiment Module
HEMI	Hemispherical (S-Band Antenna)
HEMV	Helium Manual Valve (HeMV preferred)
HEO	High Energy Orbit
HEPA	High Efficiency Particle Accumulator
	High Efficiency Particle Air (Filter)
HER	HIM Equipment Rack
HERSCP	Hazardous Exposure Reduction and Safety Criteria Plan
HESS	High Energy Squib Simulator
HETGS	High Energy Transmission Grating Spectrometer
HETM	Hybrid Engineering Test Model
HEX	Heat Exchanger
	Hexadecimal
	Hexagon
HEXTE	High Energy X-Ray Timing Experiment
HF	Hard Failure
	High Frequency
	Horizontal Flight
	Hot Firing
	Hydrogen Fill
	Hyperfiltration
HFA	High Frequency Accelerometer

HFC Heat Flow and Convection
Hydraulic Flight Control
HFCT Hydraulic Flight Control Test
HFCV Helium Flow Control Valve
HFDS Hydrogen Fluid Distribution System
HFE High Frequency Executive
HFM Hollow Fiber Membrane
HFMU High Fidelity Mockup
HFO High Frequency Oscillator
HFS Horizontal Flight Simulator
HFT Horizontal Flight Test
HFTF Horizontal Flight Test Facility
HFTS Horizontal Flight Test Simulator
HFX High Frequency Transceiver
HG High Gain
Hitchhiker Goddard Mission
Hg Mercury
HGA High Gain Antenna
HGAS High Gain Antenna System
HGDS Hazardous Gas Detection System
High Gradient Directional Solidification
HGF Hot Gas Facility
HGM Hot Gas Manifold
HGR Hangar
HGR&SPTFAC
Hangar and Support Facility
HGS Hydrogen Gas Saver
HGV Hydrogen Gas Valve
HGVT Horizontal Ground Vibration Test
HH Herbig-Haro (Object)
HH-M Hitchhiker-MSFC
HHC Hammer Head Crane
HHMU Hand Held Maneuvering Unit
HI Hercules Incorporated
Hi Load Flash Evaporator
High
Honeywell, Inc.
HIC Hickam Air Force Base, Hawaii (Deorb OPT site)
HID Hardware Interface Device
HIM Interface Distributor
HIM Hardware Interface Module
HIMSS High Resolution Microwave Spectrometer Sounder
HIP Hardware Interface Program
HIPC High Chamber Pressure
HIPO Heirarchical Input/Process Output
Hierarchy Plus Input/Process/Output
HISAM Hardware Initiated Stand Alone Memory
HIST History
HITS High Rate Multiplexer Input/Output Test System
HIU Headset Interface Unit
HIV Helium Isolation Valve
HK Housekeeping
HL Hardline
Heel Line
High Level
Hinge Line
Hydrogen Line
HLAL High Level Assembler Language
HLD Hold
HLDS Hydrogen Leak Detection System
HLLV Heavy Lift Launch Vehicle
HLMT Helmet
HLTL High Level Test Language
HM Hinge Mount
HMA Hypergol Maintenance Area
HMC Hybrid Microcircuit
Hypergolic Maintenance and Checkout
HMCC Hypergolic Maintenance and Checkout Cell
HMCF Hypergolic Maintenance and Checkout Facility

HMD	Helmet-Mounted Display
HMF	Horizontal Mating Facility
	Hypergol Maintenance Facility
HMP	Hydrozene Monopropellant (RCS Propellant)
HMS	History Memory System
HMU	Hardware Mockup
HMV	Hydrogen Manual Valve
HMX	Cyclotetramethylene Tetranitramine
HNC	Heavy Nuclei Collector
HNDLER	Handler
HNGR	Hangar
HNS	Hexanitrostilbene
HO	Hydrogen-Oxygen
HOL	High Order Language
HOLC	High Order Language Computer
HORIZ	Horizon, Horizontal
HOS	High Order Software
HOSC	Huntsville Operations Support Center
HP	Handling Procedure
	Hewlett Packard
	High Presssure
	Hydrogen Purge
	Perigee Altitude
HPCG	Hand-Held Protein Crystal Growth
HPF	Horizontal Processing Facility (O&C)
HPFD	High Pressure Fuel Duct
HPFTP	High Pressure Fuel Turbopump
HPG	High Pressure Gas
HPGS	High Pressure Gas System
HPI	High Performance Insulation
HPICS	Heat Pipe Instrument Control System
HPM	High Performance Motor
HPOP	High Pressure Oxidizer Pump
HPOT	High Pressure Oxidizer Turbopump
HPOTP	High Pressure Oxidizer Turbopump
HPPF	Horizontal Payloads Processing Facility
HPR	Hydrogen Pressure Regulator
HPRA	Heat Pipe Radiator Assembly
HPRV	Hydrogen Pressure Relief Valve
HPS	Hydraulic Power System
HPSRM	High Performance Solid Rocket Motor
HPT	High Pressure Test
HPU	Hydraulic Power Unit
HPV	Helium Precharge Valve
	High Pressure Valve
HQ	Headquarters (HDQ Preferred))
HQR	Handling Qualities Rating (Cooper-Harper)
HR	Historical Record
	Hydrogen Relief
hr	Hour (h Preferred)
HR&T	Heat Resolution and Transport
HRAP	High Resolution Accelerometer Package
HRAA	High Rate Acquisition Assembly
HRC	Hasselblad Reflex Camera
	High Resolution Camera
HRD	High Rate Dosimeter
HRDA	High Rate Data Assembly
HRDI	High Resolution Doppler Image
HRDM	High Rate Demultiplexer
HRDR	High Rate Digital Recorder
HRDS	High Rate Data Station
HRIA	High Resolution Imager Assembly
HRIR	High Resolution Infrared Radiometer
HRIS	High Resolution Imaging Spectrometer
HRL	Horizontal Reference Line
HRM	High Rate Multiplexer
	High Ratio Multiplier
HRMA	High Resolution Mirror Assembly

HRMMR High Resolution Multifrequency Microwave Radiometer

HROS High Resolution Objective Spectrometer

HRPS Hazard Reduction Precedence Sequence

HRPT High Resolution Picture Transmission

HRS High Resolution Spectrograph
Hours

HRSI High Temperature Reusable Surface Insulation

HRSO High Resolution Solar Observatory

HRT High Resolution Tracker

HRTS High Resolution Telescope and Spectrograph

HS Heat Shield
High Speed
Horizon Sensor

HS-C Hamilton Standard CO_2 Absorbent Material

HSC Hardware/Software Coordination

HSCU Hydraulic Supply and Checkout Unit

HSD Hamilton Standard Division
High Speed Data
Horizontal Situation Display

HSDL High Speed Data Line

HSF Hypergol Servicing Facility

HSG High Sustained G's Acceleration

HSI Horizontal Situation Indicator

HSK Horizontal Sling Kit

HSL Hardware Simulation Laboratory

HSM HOSC Shuttle Manager

HSNG Housing

HSO Habitation/Station Operations

HSOM Habitation/Station Operations Module

HSP Health Stabilization Program
High Speed Photometer
High Speed Printer

HSR Hardware Status Register
High Speed Reader

HSS High Stress Strain
Hydraulic Subsystem Simulator

HST Hubble Space Telescope

HSTP Hard Stop

HSU Helium Service Unit

HT Heat Transfer
Height
High Technology

HT EXCH Heat Exchanger

HTC Hybrid Technology Computer

HTG Heating

HTGPF High Temperature General Purpose Furnace

HTLL High Test Level Language

HTM High Temperature

HTPB Hydroxyl Terminated Polybutadiene (Propellant)
Hydroxyl Terminated Polybutylene

HTR Heater

HTS Heat Transfer System
Heat Transport Section
High Temperature Superconductivity

HUD Head Up Display

HUDE Head Up Display Electronics

HUL Hardware Utilization List

HUM Humidity

HUP Horizon Ultraviolet Program

HUS Hypergolic Umbilical System

HUT Hard Upper Torso
Hopkins Ultraviolet Telescope

HV	High Velocity
	High Voltage
	Hydrogen Vent
HVAC	Heating, Ventilating, and Air Conditioning
HVDS	Hypergolic Vapor Detection System
HVODS	HOSC Voice Operational Data Switch
HVPS	High Voltage Power Supply
HVR	Hover
HVSF	Honeywell Verification Simulation Facility
HVSL	Holidays, Vacation, and Sick Leave
HW	Hardware
	Headwind
	Hotwire
HW/SW	Hardware/Software
HWWS	Hyperfiltration Wash Water Recovery System
HX	Heat Exchanger
HXIS	Hard X-Ray Imaging Spectrometer
HYD	Hydraulic Subsystem
	Hydraulics
HYGL	Hypergolic
HYPACE	Hybrid Programmable Attitude Control Electronics
Hz	Hertz (Cycles Per Second)
HZE	Highly Charged and Energetic Particles

I

I	Inertias
	Inner
	Iodine
	Irradiated
I LOAD	Initialization Load
I&C	Installation and Checkout
	Instrumentation and Communication
	Instrumentation and Control
I&C/O	Installation and Checkout
I&PS	Institutional and Program Support
I&O	Inlet and Outlet
I&R	Interchangeability and Replaceability
	Interchangeability and Replacement
I&RS	Instrument and Range Safety
I&S	Interchangeability and Substitutability
I&T	Integration and Test
I-GPRF	Isothermal General Purpose Rocket Furnace
I-LOS	Initial Data Load
I/A	Interface Adapter
I/C	Intercom
I/E	Input Electronics
I/F	Interface
I/FU	Interface Unit
I/O	Input/Output
I/OB	Input/Output Bus
I/OC	Input/Output Controller
I/OMI	Integration/Operations and Maintenance Instruction
I/OP	Input/Outboard Profile
I/OT	Input/Output Test
I/OU	Input/Output Unit
I/P	In Progress
I/T	Intertank
I/V	Inlet Valve
IA	Implementation Agency
	Input Axis
	Inverter Assembly
	Issuing Agency
IA/V	Internal Audio and Video
IAA	International Aerospace Abstracts
IAB	IUS Assembly Building
IAC	Integrated Analysis Capability
	Interface Adapter Unit
IACS	Inertial Attitude Control System
IAD	Interface Agreement Document
	Interface Analysis Document
IAL	Immediate Action Letter
	International Algebraic Language
IandC	Instrument and Communication
IARS	Independent Air Revitalization System
IAS	Impact Assessment Sheet
	Indicated Airspeed
	Integrated Avionics System
IASS	Inverter/ATCS Support Structure
IAT	Integrated Avionics Test
IAU	International Astronomical Union
IAV	Inventory Adjustment Voucher
IB	Inboard
	Inert Building
	Instruction Book
IBF	Internally Blown Flap
IBM	International Business Machines
IBSE	Initial Blood Storage Experiment
IBSS	Infrared Background Signature Survey

IC	Incremental Cost
	Information Center
	Initial Condition
	Integrated Circuit
	Intercom (Orbiter to Ground via Hardline)
	Intercommunications
	Intercomputer
	Interim Change
	Internal Combustion
	Ion Chamber
IC/ES	Intercommunication/Emergency Station
ICA	Item Change Analysis
ICAO	International Civil Aviation Organization
ICAR	Investigation and Corrective Action Report
ICB	Interim Change Bulletin
	Interrupt Control Block
ICBC	IMAX Cargo Bay Camera
ICC	Intercomputer Channel
	Intercomputer Communication
	Interface Control Chart
	Interstate Commerce Commission
ICCB	Integrated Change Control Board
ICCP	Interface Coordination and Control Procedure
ICD	Interface Control Document
	Interface Control Drawing
ICDR	Incremental Critical Design Review
ICDU	Inertial Coupling Data Unit
ICE	Input Control Element
	Instrument Checkout Equipment
	Instrument/Communication Equipment
ICF	Interface Control Function
ICG	In-Flight Coverall Garment
ICH	Interchanger
ICIO	Interim Cargo Integration Operations
ICMO	Integrated Configuration Management Office
ICMS	Indirect Cost Management System
	Integrated Configuration Management System
	Intercom Master Station
ICMT	Intercontract Material Transfer
ICO	Integrated Checkout
ICOM	Intercommunications
ICOS	Improved Crew Optical Sight
ICOU	Inertial Coupling Data Unit
ICP	ICS Control Program
	Inventory Control Point
ICR	Instruction Change Request
	Interface Compatibility Record
ICS	Instrumentation Control System
	Integrated Checkout Station
	Intercommunication System
	Interface Control Specification
	Interpretive Computer Simulator
ICT	Influence Coefficient Tests
	Interface Control Tooling
ICTC	Inertial Components Temperature Controller
ICU	Interface Control Unit
ICW	Interrupted Continuous Wave
ICWG	Interface Control Working Group
ID	Identification
	Identification Data
	Inside Diameter (id preferred)
	Interface Document
ID&CA	Inverter Distribution and Control Assembly
IDA	Interface Display Assembly
IDAC	Integrated Digital-Analog Converter
IDAS	Integrated Data Acquisition System

IDB Insuit Drink Bag

IDC IMBLMS Digital Computer
Integrated Displays and Controls
Interface Document Control

IDCA Image Disector Camera Assembly
Inverter Distribution and Control Assembly

IDD Interface Definition Document(s)

IDE Initial Design Evaluation

IDG Integrated Drive Generator

IDGE Isothermal Dendritic Growth Experiment

IDI Instrumentation Data Items

IDMM Intermediate and Depot Maintenance Manual

IDO Interdivisional Operations

IDP Integrated Data Processor

IDPS Interface Digital Processor

IDR Initial Design Review
Interim Design Review
Interim Discrepancy Report
Intermediate Design Review

IDRD Information Definition Requirements Document
Internal Data Requirement Description

IDS Interdisciplinary Scientist
Interface Data Sheet
Item Description Sheet

IDSD Institutional Data System Division (JSC)

IDSO Interdivisional Sales Order

IDT I-Load Data Tape

IDTA Interdivisional Technical Agreement

IDU Interface Demonstration Unit

IDWA Interdivisional Work Authorization

IE Industrial Engineering
Ionospheric Explorer

IEA Integrated Electronic Assembly

IECM Induced Environment Contamination Monitor

IECO Inboard Engine Cutoff

IECS Igloo Environment Control Subsystem

IED Interacting Equipment Documents

IEEE Institute of Electrical and Electronic Engineer

IEF Isoelectric Focusing Experiment

IEP Instantaneous Effective Photo Cathodes

IF Inertial Fusion
Integration Facility
Intermediate Frequency

IFA In-Flight Analyses
Interface Functional Analysis

IFASC Integrated Functions Assessment Steering Committee

IFB Invitation for Bid

IFM In-Flight Maintenance

IFO Information Systems Office

IFOT In-Flight Operations and Training

IFR Instrument Flight Rules

IFRU In-Flight Replacement Unit

IFT In-Flight Test
Interface Tool

IFTM In-Flight Test Maintenance

IFTS In-Flight Test System

IFU Interface Unit

IG Igloo
Inertial Guidance
Inner Gimbal
Instrument Ground
Instrumentation Group

IGA Inner Gimbal Angle

IGAX Inner Gimbal Axis

IGBP	International Geosphere-Biosphere (or Global Change) Program
IGDS	Integrated Graphics Design System
	Iodine Generating and Dispensing System
IGES	Initial Graphics Exchange Software
IGI	Industrial Guest Investigation
IGM	Interactive Guidance Mode
	Iterative Guidance Mode
IGN	Ignition, Ignite
IGOR	Intercept Ground Optical Recorder
IGS	Inertial Guidance System
	Inner Glideslope
IGSE	In-Space Ground Support Equipment
	Instrument Group Support Equipment
	Integrated Ground Support Equipment
IGV	Inlet Guide Valve/Vanes
IGY	International Geophysical Year
IH/SR	Integration Hardware and Software Review
IHP	Indicated Horsepower (ihp preferred)
IHTV	Interim Hypersonics Test Vehicle
IHX	Interloop Heat Exchanger
II	Implementation Instructions
IIA	Instrument Integration Agreement
IIS	Inspection Item Sheet
IITCS	Igloo Internal Thermal Control Section
ILA	Instrument Landing Approach
ILAS	Instrument Landing Approach System
ILC	Initial Launch Capability
	Intermediate Loads Cycle
	International Latex Corporation
ILCCS	Integrated Launch Control and Checkout System
ILLUM	Illuminate
ILP	Integrated Logistics Panel
ILRV	Integral Launch and Reentry Vehicle
ILS	Instrument Landing System
	Integrated Logistics Support
	Integrated Logistics System
ILS/LAR	Integrated Logistics System and Logistics Assessment Review
ILSP	Integrated Logistics Support Plan
ILSSE	Integrated Life Science Shuttle Experiments
IM	Information Memory
	Inner Maker
	Instrument Module
	Interface Module
	Interim Mission
	Intermediate Moisture
IMAP	Intergrated Mission Analysis Planning
IMAX	Shuttle Cabin Camera (Manufactured by IMAX, Inc.)
IMBLMS	Integrated Medical Behavioral Laboratory Measurement System
IMC	Image Motion Compensation
IMCC	Integrated Mission Control Center
IMCE	Image Motion Compensation Electronics
IMCP	Integrated Monitor and Control Panel
IMD	Intermediate
IMDB	Integrated Maintenance Data Base
IME	International Magnetospheric Explorer
IMF	Inventory Master File
IMIC	Integrated Management Information Computer
IML	Inside Mold Line
	International Microgravity Laboratory
IMP	Initial Memory Protection
	Interplanetary Monitoring Platform
IMPD	Impedance
IMPL	Implement
IMPLS	Impulse

IMS Information Management System
Institutional Management Support
Inventory Management System

IMSL Intermediate Seal

IMU Inertial Measurement Unit
Internal Measurement Unit

IN Information Systems Directorate (KSC)
Inlet

in Inch

INBD Inboard

INBIT Input Bit

INC Incomplete
Increase
Installation Notice Card
Installation Notification Certificate

INCL Inclination
Include

INCLN Incline

INCO Inconel (nickel, chromium, and iron)
Instrumentation and Communication Officer

INCR Increase
Increment

IND Indicate, Indicator
Industrial

INDAT Incoming Data

INF Infinite

INFT Informal Training

INH Inhibit

INIT Initial
Intiate

INJ Inject

INL Inlet

INMARSAT International Maritime Satellite

INOP Inoperative

INP Input

INR Inertial Reference

INRTL Inertial

INRTL VEL Inertial Velocity

INS Inertial Navigation System
Insertion Burn, OMS1

INSAT Indian National Satellite

INSL Insulate

INSP Inspect, Inspection

INSPEX Indonesia Space Experiment

INSRP Interagency Network Safety Review Panel

INST Instrument

INST SYS Instrumentation System

INST/COMM Instrumentation and Communication

INSTL Install, Installation

INSTL&C/O Installation and Checkout

INSTR Instruct
Instrument, Instrumentation

INSTRUM Instrumentation Subsystem

INT Integrated Test
Intensity
Internal

INTASAT Instituto Nacional De Technica Aeroespacial Satellite

INTC/O Integrated Checkout

INTCHG Interchange

INTCHGR Interchanger

INTCP Intercept

INTEGR Integrate, Integration

INTELSAT International Telecommunications Satellite Organization

INTEROG Interrogate

INTF Interface

C-2

INTG Integration
INTLK Interlock
INTR Interior
INTRG Interrogate
INTRLVR Interleaver
INTRPT Interrupt
INTV Interim Hypersonics Test Article
INTVL Interval
INTVLM Intervalometer
INV Inverter
INV MGT Inventory Management
IO Industrial Operations (MSFC)
IOA Input/Output Adapter
Input/Output or Assembly
IOB Input/Output Box
Input/Output Buffer
Input/Output Buffer (if Bus ≠)
IOBPS Input/Output Box and Peripheral Simulator
IOC Indirect Operating Costs
Initial Operational Capability
Initial Operating Capability
Input/Output Controller
IOCM Interim Operational Contamination Monitor
IOCU Input/Output Control Unit
IOE Input/Output Error Log Table
IOF Initial Operational Flight
IOM Input/Output Module
IONS Studies of the Ionization States of Solar and Galactic Cosmic Ray Heavy Nucleii
IOP In-Orbit Plane
Input/Output Port
Input/Output Processor
Integrated Operation Plan
Internal Operating Plan
IOPL Integrated Open Problem List
IOQE Input/Output Queue Element
IOS Indian Ocean Ship (STDN)
Indian Ocean STDN Site
Input/Output Supervision
Instructor Operator Station
IOSC Integrated Operations Support Center
IOSS Integrated Orbital Service System
IOU Input/Output Unit
IP Identification of Position
Igloo Pallet
Impact Point
Inertial Processing
Instructor Pilot
Instrumentation Payload
Instrumentation PCM Data Bus
Intermediate Pallet
Intermediate Pressure
IPA Intergovernmental Personnel Action
IPACS Integrated Power and Attitude Control System
IPAD Integrated Program for Aerospace Vehicle Design
IPAS Integrated Problem Assessment
IPB Illuminated Push Button
Illustrated Parts Breakdown
IPC Imaging Proportional Counter
Intermittent Positive Control
IPCL Instrumentation Program and Component List
IPD Information Processing Division
IPDR Incremental Preliminary Design Review
IPE Industrial Plant Equipment
IPF IUS Processing Facility
IPI Instrument Principal Investigator

IPL Indentured Parts List
Initial Program Load
Integrated Payload

IPMP Investigation Into Polymer Membrane Processing

IPOTP Integrated Payload Operations Training Plan

IPR Interim Problem Report

IPRD Integrated Payload Requirements Document

IPRR Integrated Payload Requirements Review

IPS Inches Per Second (in/s preferred)
Instrument Pointing System (Subsystem)
Instrumentation Power Subsystem
Integral Propulsion Subsystem
Interface Problem Sheets
International Pipe Standard
Inverter Power Supply

IPSE INSAT Payload Specialist

IPSL Interface Problem Status Log

IPT In-Plant Transporter
International Pipe Thread

IPTCS Igloo Passive Thermal Control Section

IR Inclination of the Ascending Return
Infrared
Inner Roll Gimbal
Inside Radius
International Rendezvous

IR&D Independent Research and Development

IR SPECT Infrared Spectrometer

IRAC Interdepartmental Radio Advisory Committee

IRAN Inspection and Repairs as Necessary

IRANSAT Iranian Government Communications Satellite (replaces IRAN)

IRAR Internal Variable

IRAS Infrared Astronomy Satellite

IRCFE Infrared Communication Flight Experiment

IRD Information Requirements Document
Initiating Reference Document
Integrated Receiver Decoder
Integration Requirements Document
Interface Requirements Document

IRG Inertial Rate Gyro

IRIG Inertial Rate Integrating Gyro
Inertial Reference Integrating Gyro
Interrange Instrumentation Group

IRIG-B Interrange Instrumentation Group B

IRIS Italian Research Interim Stage

IRL Initiating Reference Letter
Interface Requirement List

IRME Initiator Resistance Measuring Equipment

IRN Interface Revision Notice

IRR Inspection Rejection Report
Integral Rocket Ramjet
Integration Readiness Review

IRS Integrated Radiator System

IRT Infrared Telescope
Integrated Rendezvous Target

IRTCM Integrated Real-Time Contamination Monitor

IRU Inertial Reference Unit

IRV Isotope Reentry Vehicle

IS Installation Support
Interconnecting Station

ISA Interim Stowage Assembly

ISAC Intelestat Solar Array Coupon

ISAIAH Israel Space Agency Investigation About Hornets

ISC Initial Software Configuration Map

ISCCP International Satellite Cloud Climatology

ISD Instructional Systems Development (USAF)

ISDS Inadvertent Separation Destruct Subsystem

ISEE International Sun-Earth Explorer

ISF Industrial Space Facility

ISI Initial Systems Installation
Instrumentation Support Instruction

ISIL Interim Support Items List

ISIS International Satellite for Ionospheric Studies

ISL Inertial Systems Laboratory

ISL/LAR Integrated Logistics System and Logistics Assessment Review

ISLM Integration Shop/Lab Manager

ISLSCP International Satellite Land Surface Climatology Project

ISN Information System Network

ISO Imaging Spectrometric Observatory
Information Systems Office
International Standardization Organization

ISOC Institutional Safety Office Contact

ISOL Isolate, Isolation

ISP Specific Impulse
Imaging Spectro-Photometer
Information Systems Office
Instrumentation Support Plan
Integrated Support Plan

ISPG Institutional Support Planning Group

ISPM International Solar Polar Mission

ISR Initial System Release

ISRO Indian Space Research Organization

ISS Inertial Subsystem
Inhibit/Override Summary Snapshot Display
Installation Support Services
Instruction Summary Sheet
Integrated Support Stand
Integrated System Schematic
IRIS Spinning Stage

ISSL Initial Spares Support List

IST Instrumentation Support Team
Integrated Systems Test

ISTA Intertank Structural Test Assembly

ISTB Integrated Subsystem Test Bed

ISTF Integrated System Test Flow

ISTP International Solar Terrestrial Project

ISU Instrument Switching Unit
International Systems of Units

ISY International Space Year

IT Identification Transponder
Installation Test

ITA Integrated Test Area
International Television Academy

ITAP Integrated Technical Assessment Panel

ITC Igloo Thermal Control

ITE Instrumentation Test Equipment
Integration Test Equipment
Intersite Transportation Equipment

ITI Inspection and Test Instruction

ITL Integrate, Transfer, and Launch

ITMG Integrated Thermal/Micrometeoroid Garment

ITO Integration and Test Order

ITRDS Integrated Test Requirements Documents

ITS Instrumentation Telemetry Station
Interim Teleprinter System

IU Instrument Unit
Interface Unit

IUA Inertial Unit Assembly
Interface Unit Adapter

IUCS Instrumentation Unit Update Command System
Instrumentation Update Command System

IUE Interface Unit Error Count Table
International Ultraviolet Explorer

IUS Inertial Upper Stage (was Interim Upper Stage)
Interim/Intermediate Upper State
Interim Use Sheet
Interior Upper Stage

IV Initial Velocity
Integrated Vehicle
Interface Volume
Intravehicular

IVA Intravehicular Activity

IVAK Igloo Vertical Access Kit

IVAR Internal Variable

IVBC Integrated Vehicle Baseline Configuration

IVC Intervehicular Communications

IVE Interface Verification Equipment

IVL Intervalometer

IVSI Instantaneous Vertical Speed Indicator

IVT Interface Verification Test
Intervehicular Transfer

IVTE Integration and Verification Test Environment

IWBS Indirect Work Breakdown Structure

IWG Interface Working Group
Investigator Working Group

J

J Joule (SI Unit)

J/M Jettison Motor

JACEE Japanese-American Cooperative Emulsion Experiment

JACD Joint Architectural Control Document

JAD Joint Assembly Demonstration

JAEIC Joint Atomic Energy Intelligence Committee

JAN Joint Army-Navy

JANNAF Joint Army, Navy, NASA, and Air Force

JAS Journal of Aerospace Science
Journal of Atmospheric Science

JB Junction Box

JCL Job Control Language

JCP Joint Power Conditions

JCT Junction

JEA Joint Endeavor Agreement

JED Julian Ephemeris Data

JELM Japanese Experiment Logistics Module

JEM Japanese Experiment Module

JES Joint Environment Simulator

JETS Joint Electronic Type (Designation) System

JETT Jettison

JGR Journal of Geophysical Research

JIR Job Improvement Request

JIS Joint Integrated Simulation

JO Job Order

JOC Joint Operations Center

JOD Joint Occupancy Data
Joint Occupancy Date

JOFOC Justification for Other Than Full and Open Competition

JOIP Joint Operations Interface Procedure

JOP Joint Operating Procedure
Jupiter Orbiter Probe—Galileo

JOR Job Order Request

JOVIAL Joules Own Version International Algebraic Language

JOV Joint Venture

JP Jet Propellant
Jet Propulsion

JPC Joint Power Condition

JPDRD Joint Program Definition and Requirements Document

JPIC Joint Program Integration Committee

JPL Jet Propulsion Laboratory

JPOC JSC Payload Operations Center

JPP Joint Program Plan

JRB Joint Review Board

JSC Johnson Space Center (formerly MSC)

JSCM JSC Manual

JSL Jet Select Logic

JSLWG Joint Spacelab Working Group

JST Joint Systems Test

JTA Job Task Analysis

JTG Joint Training Group

JU Joint Use

JULIE Joint Utilization of Laser Integrated Experiments

JURG Joint Users Requirements Group

K

K	Kelvin
	One Thousand (k preferred)
k	Kilo (1,000)
K&H	Memory Time Value
K-APM	KSC Automated Payloads Plan/ Requirement
K-APN	KSC Automated Payloads Notice
K-APPS	KSC Automated Payloads Project Specification
K-BAND	10,900 to 36,000 MCS
K-CITEM	KSC CITE Plan/Requirement
K-DODM	KSC DOD Plan/Requirement
K-DPM	KSC DOD Payloads Plan/Requirement
K-DPN	KSC DOD Payloads Notice
K-DPPS	KSC DOD Payloads Project Specification
K-IUSM	KSC IUS Plan/Requirement
K-IUSN	KSC IUS Notice
K-IUSPS	KSC IUS Project Specification
K-MMSEM	KSC MMSE Plan/Requirement
K-MMSEN	KSC MMSE Notice
K-MMSEPS	KSC MMSE Project Specification
K-SLM	KSC Spacelab Plan/Requirement
K-SLN	KSC Spacelab Notice
K-SLPS	KSC Spacelab Project Specification
K-SM	KSC Shuttle Management Document
K-SPN	KSC Shuttle Project Notice
K-SPS	KSC Shuttle Project Specification
K-SSS	KSC Shuttle Project Station Set Specification
K-STSM	KSC STS Plan/Requirement
K-STSN	KSC STS Notice
K-STSPS	KSC STS Project Specification
K/S	Kick Stage
KAD	Kadena AB, Ryuku Islands (Deorb OPT Site)
KAPL	KSC Approved Parts List
KATE	Knowledge-Based Automatic Test Equipment (KSC's)
KATS	Kennedy Avionics Test Set
KAU	Kilo Accounting Unit
KB	Keyboard
	Kilobit
KBAC	Kennedy Booster Assembly Contractor
KBIM	Keyboard Interface Module
KBPS	Kilobits Per Second
KBU	Keyboard Unit
kc	Kilocycle
kcal	Kilocalorie
KCAS	Knots Calibrated Airspeed
KCRT	Keyboard Cathode Ray Tube
KCS	Keyboard Configuration Studies
KDMS	Kennedy Data Management System(s)
KDN	Kinetically Designed Nozzle
KDT	Keyboard and Display Test
KDU	Keyboard and Display Unit
KEAS	Knots Equivalent Airspeed
kg	Kilogram
kgal/min	Kilogallons Per Minute
KHB	KSC Handbook
kHz	Kilohertz
KIAS	Knots Indicated Airspeed
KIMS	Kennedy Inventory Management System
KIP	Keyboard Input Processor
KIS	Kitting Instruction Sheet
KITE	Kinetic Isolation Tether Experiment
klb	Kilopound
km	Kilometer
KMI	KSC Management Instruction

KMR	Kwajalein Missile Range
KMS	K-Words X Millions of Seconds
KN	Kitting Notice
	KSC Notice
KNO	Kano, Nigeria (Remote Site)
KOI	KSC Operation Instruction
KOM	KSC Organizational Manual
KOPS	Thousand of Operations Per Second
KPD	KSC Program Directive
KPNO	Kitt Peak National Observatory
KPPS	Kilopulses Per Second
KPRD	KSC Program Requirements Document
KPS	Kilometers Per Second
KSA	Ku-Band Single Access
KSC	John F. Kennedy Space Center
KSCAP	Kennedy Space Center Area Permit
KSDN	Kennedy Switched Data Network
KSSS	KSC Station Set Specification
KT	Kit
	Knots
KU	Keyboard Unit
KU-BAND	15.250 to 17.250 GHz
KUSP	Ku-Band Signal Processor
	Ku-Band Single Processor
kV	Kilovolt
kVA	Kilovoltampere
kW	Kilowatt
kWh	Kilowatt Hours
KYBD	Keyboard

L

L	Launch
	Left
	Length
	Level
	Liter
	Low
	Lumen
L&C	Laboratory and Checkout
L&D	Landing and Deceleration
L&L	Launch and Landing
L&S	Logistics and Support
L&T	Laboratory and Test
L-2	Launch Minus 2 Days
L-BAND	390 to 1,550 MHz
L-L	Line-to-Line
L-P	Low Pressure
L/D	Length-to-Diameter
	Lift-to-Drag (Ratio)
L/H	Local Horizontal
L/O	Lift-Off
L/S	Landing Site
	Load System
L/T	Load Test
LA	Lanthanum
	Launch Abort
	Launch Aft
	Launch Area
	Launch Azimuth
	Lightning Arrester
	Low Attitude
LAAD	Los Angeles Aircraft Division (Rockwell)
LACB	Landing Aids Control Building (SLF at KSC)
LACIE	Large Area Crop Inventory Experiment
LACIP	Large Area Crop Inventory Program
LAD	Large Area Detector
LADFU	Large Area Detector Flight Unit
LAGEOS	Laser Geodynamic Satellite
LAGEOS-2	Laser Geodynamics Satellite-2
LAGS	Launch Abort Guide Simulation
LAIR	Liquid Air
LAIU	Launch Abort Interface Unit
LAMAR	Large Amplitude Modular Array
LAN	Local Area Network
LANS	Local Area Network System
LAPC	Large Area Proportional Counter Array
LAPS	Left Aft Propulsion System (Subsystem)
LaRC	Langley Research Center (Hampton, VA)
LARS	Laminar Angular Rate Sensor
LARSSYAA	Laboratory for Application of Remote Sensing System for Aircraft Analysis
LAS	LAGEOS Apogee Stage
LASCOT	Large Screen Color Television System
LASER	Learning About Science, Engineering, and Research
LASP	Laboratory for Atmosphere and Space Physics
LASV	Low Altitude Supersonic Vehicle
LAT	Large Angle Torque
	Latch
	Lateral
	Latitude
	Lot Acceptance Test
LATS	LDEF Assembly and Transportation System
LAWS	Laser Atmospheric Wind Sound
	Lidar Atmospheric Wind Sounder

LB	Launch Boost
	Launch Bus
	Load Bank
	Low Bay
	Lower Brace
lb	Pound
LBDT	Low Bay Dolly Tug
LBK	Left Bank
LBL	Left Buttock Line
LBM	Liquid Boost Module
	Load Buffer Memory
LBNPD	Lower Body Negative Pressure Device
LBR	Low Bit Rate
LC	Launch Complex
	Launch Countdown
	Launch Critical
	Left Center
LC-39	Launch Complex 39 (A or B)
LCA	Launch Control Amplifier
	Load Controller (Control) Assembly
LCB	Least Common Bit
LCC	Launch Commit Criteria
	Launch Control Center
	Life Cycle Costs
LCCD	Launch Commit Criteria Document
LCCEV	Low Cost Cryogenic Expendable Vehicle
LCD	Launch Countdown
LCF	Low Cycle Fatigue
LCG	Liquid Cooled Garment
LCH	Latch
	Launch
LCHTF	Low Cycle High Temperature Fatigue
LCL	Local
LCM	Least Common Multiple
LCMS	Low Cost Modular Spacecraft
LCO	MMC Uniform Central Number
LCOM	Logic Control Output Module
LCR	Launch Control Room
	Low Cross Range
LCS	Laser Communications Subsystem (System)
	Launch Control System
	List of Command Signals
LCT	Launch Countdown
LCU	Line Coupling Unit
LCUG	Liquid Cooling under Garment
LCVG	Liquid Cooling and Ventilation Garment
LCXT	Large Cosmic X-Ray Telescope
LD	Lateral Direction
	Loading Dock
LDB	Launch Data Bus
	Logistics Data Bank
LDEC	Lunar Docking Events Controller
LDEF	Long Duration Exposure Facility
LDG	Landing
LDI	Low Density Indication
LDIU	Launch Data Interface Unit
LDMK	Landmark
LDR	Large Deployable Reflector
	Low Data Rate
LDS	Landing/Deceleration Subsystem
	Landing, Deservicing, and Safing
	Laser Docking Sensor
	Loads
LDT	Linear Displacement Transducer
LDV	Laser Doppler Velocimeter
LE&S	Logistics Engineering and Support
LE	Launch Escape
	Leading Edge
LEA	Logistics Engineering Analysis (Analyses)
LEA SAT	Leased Communications Satellite

LEB	Lower Equipment Bay
LEC	Lockheed Electronics Company
LED	Light Emitting Diode
LEH	Launch/Entry Helmet
LEM	Laboratory Environment Model
	Launch Escape Monitor
LEO	Low Earth Orbit
LER	Long Eye Relief (Optics)
LeRC	Lewis Research Center (Cleveland, OH)
LES	Launch Entry Suit
	Launch Equipment Shop
	Launch Escape Subsystem
LESS	Leading Edge Structure Subsystem
	Leading Edge Subsystem
LET	Linear Energy Transfer
LETF	Launch Equipment Exposure Facility
	Launch Equipment Test Facility
LETGS	Low Energy Transmission Grating Spectrometer
LF	Launch Facility
	Launch Forward
	Left Forward
	Load Factor
	Low Frequency
LFAF	Low Frequency Accelerometer Flutter
LFAM	Low Frequency Accelerometer Modes
LFAP	Low Frequency Accelerometer Pogo
LFC	Large Format Camera
LFO	Low Frequency Oscillator
LFOP	Landing and Ferry Operations Panel
LFRR	Low Frequency Radio Range
LG	Landing Gear
	Length
LGA	Low Gain Antenna
LGAS	Low-G Accelerometer System
LGIU	Laser Gyro Interface Unit
LH	Left Hand
LH_2	Liquid Hydrogen
LHA	Local Hour Angle
LHC	Left Hand Circular
LHCP	Left Hand Circular Polarization
	Left Hand Circularly Polarized
LHe	Liquid Helium
LHP	Left Hand Panel
LHS	Left Hand Side
Li	Lithium
LIB	Left Inboard
LIC	Load Interface Circuit
LID	Leadless Inverted Device
	Logistics Identification Document
LIDAR	Laser-Radar
LIE	Left Inboard Elevon
LIM	Limit
LIMRIC	LRU Identification and Maintenance Requirements Catalog
LIMS	Light Ion Mass Spectrometer
	Logistics Inventory Management System
LIN	Linear
	Liquid Nitrogen
LINJET	Liquid Injection Electric Thruster
LINS	Laser Inertial Navigation System
LiOH	Lithium Hydroxide
LIQ	Liquid
LIS	Lightning Imaging Sensor
	Logistics Information System
LITE	Lidar in Space Technology Experiment
LK	Leak
	Lock

LL	Landline
	Launch and Landing
	Launch Left
	Level Lock
	Long Lead
	Long Line
	Low Level
	Lower Left
	Lower Limit
LLCF	Launch and Landing Computational Facilities
LLI	Limited Life Item
LLIL	Long Leadtime Items List
LLL	Latitude/Longitude Locator
LLNL	Lawrence Livermore National Laboratory
LLOS	Landmark Line-of-Sight
LLP	Launch and Landing Project
LLPO	Launch and Landing Project Office
LLS	Launch and Landing Site
LLT	Long Leadtime
LM	Left Mid
	Long Module
LME	Launch Monitor Equipment
LMF	Levitation Microfurnace
	Lower Mid-Fuselage
LMG	Left Main Gear
LMK	Landmark
LMP	List of Measurement Points
LMRT	Logistics Management Responsibility Transfer
LMS	Lightning Mapper Sensor
	Load Measurement System
	Logistics Master Schedules
LMSC	Lockheed Missiles and Space Corporation
LN	Line
LN_2	Liquid Nitrogen
LNCH	Launch
LNDG	Landing
LNG	Liquefied Natural Gas
LO	Launch Operations
	Local Oscillator
	Lock-On
LO_2	Liquid Oxygen
LOA	Landing Operations Area
	Launch Operations Area
LOAP	List of Applicable Publications
LOB	Left Outboard
	Line of Balance
LOC	Launch Operations Complex
	Localizer
	Location
	Logistics Operations Center
LOCC	Launch Operations Control Center
LOD	Launch on Demand
LOE	Left Outboard Elevon
	Level of Effort
	Line of Effort
LOFAR	Low Frequency Acquisition and Ranging
LOFO	Low Frequency Oscillation
LOGO	Limit of Government Obligation
LOI	Lunar Orbit Insertion
LOL	Limit of Liability
LOLI	Limited Operational-Life Items
LON	Longitude
LONG	Longitude (long. preferred)
LOR	Lunar Orbit Rendezvous
LORA	Level of Repair Analysis
LORAN	Long Range Navigation

LOS Line-Off Simulator
Line of Sight
Loss of Signal
Loss of Sync

LOSM Launch Operations Support Manager

LOT Lift-Off Time

LOV Limit of Visibility
Loss of Visibility

LOWG Landing Operations Working Group
Launch Operations Working Group

lox Liquid Oxygen (LO_2)

lox/LH_2 Liquid Oxygen/Liquid Hydrogen

LOXT Large Orbital X-Ray Telescope

LP Launch Pad
Liquid Propellant
Low Pressure

LPD Landing Point Designator
Launch Procedure Document

LPDM List of Physical Dimensions

LPF Low Pass Filter

LPFT LOPW Pressure Fuel Turboprop

LPFTP Low Pressure Fuel Turbopump

LPG Last Page Generator (Distribution List Used in All OMT's)
Liquid Propellant Gun

LPLWS Launch Pad Lightning Warning System

LPM Lines Per Minute

LPMG Liquid Phase Miscibility Gap

LPOP Low Pressure Oxidizer Turbopump

LPOTP Low Pressure Oxidizer Turbopump

LPOX Low Pressure Oxygen

LPR Line Printer

LPS Launch Processing (Processor) System
Liters Per Second (L/s preferred)

LPS/CDS LPS/Central Data Subsystem

LPTTL Low Power Transistor-Transistor Logic

LPW Lumens Per Watt

LR Landing Radar
Launch Right
Left Rudder
Lower Right

LR/LD Line Receiver/Line Driver

LRECL Logical Records of Fixed Length

LRF Liquid Rocket Fuel

LRI Low Resolution Imager

LRO Large Radio Observatory

LRR Launch Readiness Review

LRS Low Resolution Spectrometer
Low Response System

LRSI Low Temperature Reusable Surface Insulation

LRU Line Replaceable Unit

LRV Launch Readiness Verification
Long Range Video

LS Landing Side
Launch Sequence
Left Side
Life Science
Limit Switch

LS/ST Light Shield/Star Tracker

LSA Launch Services Agreement
Logistics Support Analysis

LSAH Launch Site Accommodations Handbook

LSAP Launch Sequence Applications Program

LSB Least Significant Bit
Lower Side Band

LSC Linear Shaped Charge

LSCA Logistics Support Cost Analysis

LSD Landing Ship Dock
Low Speed Data

LSE Launch Support Equipment
Life Support Equipment

LSF Laboratory Simulation Facility

LSFE Life Sciences Flight Experiment

LSFR Launch Side Flow Review

LSI Large Scale Integration

LSID Launch Sequence and Interlock Document

LSLE Life Sciences Laboratory Experiment

LSM Life Science Module

LSMI Logistics Support Management Information

LSO Landing Support Officer
Large Solar Observatory

LSP Least Significant Portion

LSPDF Life Science Payloads Development Facility

LSR Land Sea Rescue
Launch Site Recovery
Launch Support Room

LSRM Life Science Research Module

LSS Landing, Separation Simulator
Large Space Structures
Launch Support Services
Launch Support System
Life Support Subsystem
Load Sensing System

LSSCV Large Scale Structure Control Verification

LSSE Launch Site Support Engineer

LSSF Life Sciences Support Facility

LSSL Life Sciences Space Laboratory

LSSM Launch Site Support Manager

LSSP Launch Site Support Plan

LSSRC Life Sciences Shuttle Research Centrifuge

LSST Launch Site Support Team

LST Large Space Telescope
Large Stellar Telescope
Launch Support Team
Liquid Storage Tank
Local Standard Time

LSTE Launch Site Transportation Equipment

LSU Life Support Umbilical

LT Lead Time
Left
Light

LTA Linear Triaxial Accelerometer
Lower Torso Assembly

LTD Lift-to-Drag
Limited

LTG Lighting
Linear Tangent Guidance

LTM Lead Time Matrix

LTRF Low-Temperature Research Facility

LUB Lubricate

LUPI Laser Unequal Path Interferometer

LUS Liquid Upper Stage

LUT Launcher-Umbilical Tower

LV Launch Vehicle
Lift Vector
Limit Value
Loading Valve
Load Vertical
Local Vertical
Low Voltage

LVDC Launch Vehicle Digital Computer

LVDT Linear Variable Differential Transformer
Linear Voltage Differential Transformer

LVG	Low Viscosity Gyro
LVL	Level
LVLH	Local Vertical/Local Horizontal
LVPS	Low Voltage Power Supply
LVS	Launch Vehicle System
LW	Launch Window
LWD	Launch Window Display
	Left Wing Down
LWG	Logistics Working Group
LWHS	Light-Weight Headset
LWR	Lower
LWS	Lightning Warning System
LWT	Launch Window Time
	Light Weight Tank (Shuttle-C ET)

M

M	Mach
	Maintainability
	Major Cycle
	Male
	Mandatory
	Manual
	Mass
	Matrix
	Mega
	Mercury
	Middle
	Million
	Missing (Data)
	Monitor (MON preferred)
	Number of Revolutions Required for the Rendezvous
m	Meter
M&C	Maintenance and Checkout
	Monitor and Control Panel
M&F	Materials and Facilities
M&M	Materials and Maintenance
M&O	Maintenance and Operations
M&P	Materials and Processes
	Materials and Processing
M&R	Maintenance and Refurbishment
	Maintenance and Repair
M&RF	Maintenance and Refurbishing Facility
M&RO	Maintenance and Refurbishment Operations
M+R	Maintenance and Refurbishment
	Maintenance and Repair
M-	Time in Days Before Move Operations
m-kg	Meter-Kilogram
M-M-L-S	Model-Modes-Loads-Stresses
M/F	Maintenance Factor
M/I	Minimum Impulse
M/L	Maintenance Loop
M/LR	Maintenance Loop Recorder
M/P	Main Parachute
M/R	Mixture Radio (Fuel to Oxidizer)
M/S	Mainstage
	Measurement Stimuli
M/SCI	Mission/Safety Critical Item
M/U	Mockup
M50	Mean of 1950 (Coordinate System)
MA	Maintenance (STS)
	Maintenance Ability
	Martin Ablator
	Master
	Master Alarm
	Material Authorization
	Metabolic Analyzer
	Middeck Act
	Mike Amplifier
	Missed Approach
	Mission Analysis
	Mission Assignment
	Multiple Access
mA	Milliampere
MA&P	Maintenance Analysis and Planning
MA&T	Manufacturing Assembly and Test
MAA	Mathematical Association of America
	Maximum Authorized Altitude
	Mechanical Arm Assembly
MAAB	Materials Application Advisory Board
MAAR	Monthly Associate Administrator's Review

MAB Master Acquisition Bus
Materials Advisory Board
Materials Application Board
Mechanical Automation Breadboard
Missile Assembly Building

MAC Main Display Console
Maintenance Advisory Committee
Maximum Allowable Concentration
Maximum Concentration of Organics
Mean Aerodynamic Chord
Military Airlift Command
Multiaccess Computer

MACDS Monitor and Control Display System

MACE Mechanical Antenna Control Electronics

MACH Machine
Velocity Relative to the Speed of Sound

MACI Monitor, Access, and Control Interface

MACO Major Assembly Checkout

MACRO Merge and Correlate Recorded Output (Program)

MACS Modular Attitude Control Subsystem

MAD Madrid, Spain (STDN Site, First Antenna)
Maintenance Analysis Data

MADC Multiplexer Analog to Digital Converter

MADRE Manufacturing Data Retrieval System

MADS Modular Auxiliary Data Systems

MAEP Minimum Autoland Entry Point

MAF Manpower Authorization File
Michoud Assembly Facility
Mixed Amine Fuel

MAG Magazine
Magnetic
Magnitude

MAGIC Multiple Aperture Gas Imaging Counter

MAGSAT Magnetometer Satellite

MAI Machine-Aided Indexing

MAIDS Management Automated Information Display System
Multipurpose Automatic Inspection and Diagnostic System

MAIN Maintenance

MAINT Maintenance

MAIR Manufacturing and Inspection Record

MAJ Major

MAL Malfunction
Material Allowance List
Mobile Airlock

MALL Malleable

MAMS Multispectral Atmospheric Mapping Sensor

MAN Manual
Microwave Aerospace Navigation

MANF Manifold

MAOT Maximum Allowable Operating Time

MAP Maintenance Analysis Program
Message Acceptance Pulse
Missed Approach Point
Mission Application Program

MAPOLE Magnetic Dipole Spark Transmitter

MAPS Measurement of Air Pollution From Satellites
Measurement of Atmospheric Pollution From Satellites

MAPTIS Materials and Processes Technical Information Services

MAR Maintenance and Refurbishment
Memory Address Register
Middeck Accommodations Rack

MARS Martin Automatic Reporting System
Modular Airborne Recorder System
Modular Airborne Recording System

MARTS MSFC Accounting and Resources Tracking System

MAS Millimeter Wave Atmosphere Sounder

MASA Metals and Alloys Solidification Apparatus

MASDC Military Aircraft Storage and Disposition Center

MAT Matrix
Meteorological Atmospheric Turbulence
Multiple Actuator Test

MATCO Materials Analysis, Tracking, and Control

MATL Material

MAU Million Accounting Units

MAUS Messenschafteliche Autonome Experiment Unter Schewerelosigkeit

MAX Madrid, Spain (STN Site, Second Antenna)
Maximum

MAX-Q Maximum Dynamic Pressure

MAXCO Maximum Dynamic Pressure

MB Main Bus
Management Baseline
Manned Base

MB, mbar Millibar

MB/S Megabits Per Second

MBAC Marshall Booster Assembly Contractor

MBB Messerschmitt-Boelkow-Blohm (GmbH)

MBC Maximum Breathing Capacity

MBCS Motion-Base Crew Station (SMS)

MBFP Manufacturing Build and Flow Plan

MBI Multibus Interface

MBK Medications and Bandage Kit

MBL Mobile Unit (TACAN Station)

MBO Management by Objective

MBPS Megabits Per Second
Million Bits Per Second

MBV Main Base Visit

MC Memory Configuration
Midcourse Correction Maneuver
Mission Capability
Mission Completion/Continuation

MC&C Measurement, Command, and Control

MC&W Master Caution and Warning

MCA Master Control Assembly
Maximum Crossing Altitude
Monitoring and Control Assembly
Motor Control Assembly
Multichannel Analyzer

MCBF Mean Cycle Between Failures

MCC Main Combustion Chamber
Mission Control Center (JSC)
Motor Control Center (JSC)

MCC-DOD Mission Control Center–DOD

MCC-H Mission Control Center–Houston

MCC-K Mission Control Center–Kennedy

MCC-NASA
Mission Control Center–NASA

MCCC Mission Control and Computing Center

MCCS Mission Control Center Simulation (System)

MCDS Maintenance Control and Display System
Multifunction CRT Display System

MCDU Multifunction CRT Display Unit

MCE Mechanism Control Electronics

MCF Maintenance and Checkout Facility
Major Component Fail
Mission Control Facility

MCIU Manipulator Controller Interface Unit
Master Control and Interface Unit
Mission Control and Interface Unit

MCL Mass Change Log
Master Configuration List

MCLT Maximum Cruise Level Thrust

MCM MADS Control Module

MCN Master Change Notice

MCO Mission Control Operations

MCOP Mission Control Operations Panel

MCP Master Change Proposal
Master Computer Program
Materials Control Plan
Measurements Control Procedure
Microchannel Plate
Mission Control Programmer
Monitoring and Control Panel
Multibeam Communication Package

MCPC Manipulator Controller Power Conditioner

MCPS Major Cost Proposal System

MCR Master Change Record

MCS Maintenance and Checkout Station
Measurements Calibration System

MCT Maximum Climb Thrust
Metabolic Control Test
Mission Control Table

MCU Master Control Unit
Mission Control Unit

MCVP Materials Control and Verification Program

MCW Modulated Continuous Wave

MD Biomedical Office (KSC Directorate)
Malfunction Detection
Manual Direct
Manual Disconnect
Master Dimension
Microdot
Middeck
Mission Director

MDA Main Distribution Assembly
Maintainability Design Approach
Middeck Assembly (FDF)
Motorized Door Assembly
Multiple Docking Adapter

MDAC McDonnell Douglas Astronautics Company

MDAR Malfunction Detection, Analysis, and Recording

MDAS Meteorological Data Acquisition System
Mission Data Acquisition System

MDB Mission Data Book

MDC Main Display Console
Mission Director Center
Mission Duty Cycle

MDCA Main Distribution Control Assembly

MDCS Maintenance Data Collection System
Malfunction Display and Control System
Master Digital Command System
Material Data Collection System

MDD Mate/Demate Device

MDDS Material Directory Data Sheet

MDE Mission Dependent Equipment
Mission Dependent Experiment
Modular Display Electronics

MDF Main Distribution Frame
Manipulator Development Facility
Mating/Demating Facilities
Mild Detonating Fuse

MDL Master Data Library

MDM Manipulator Deployment Mechanism
Medical Monitor
Multiplexer/Demultiplexer

MDP Management Development Program

MDR Maintenance Demand Rate
Major Design Review
Minor Discrepancy Repair
Missing Data Report
Mission Data Reduction
Monthly Director's Review

MDRD Mission Data Requirements Document

MDRS Manufacturing Data Retrieval System
Mission Data Retrieval System

MDS Malfunction Detection System
Management Data System
Master Development Schedule
Minimum Discernible Signal
Minimum Discernible System
Mission Development Simulator
Motion Detection System

MDSD Mate/Demate Stiffleg Derrick

MDSF Manipulator Development and Simulation Facility

MDSSC McDonnell Douglas Space Systems Company

MDT Maintenance Demand Time
Mean Detonating Time
Mean Down Time
Measurement Descriptor Table
Mountain Daylight Time

MDTSCO McDonnell Douglas Technical Services Company

ME Main Engine
Management Engineering
Miscellaneous Equipment

MEA Main Electronics Assembly
Maintenance Engineering Analysis
Materials Experiment Assembly

MEAR Maintenance Engineering Analysis Request

MEAS Measuring, Measurement

MEB Main Electronics Box

MEBO Main Engine Burnout

MEC Engine Mounted Computer
Main Engine Controller
Master Event Controller
Materials Experiment Carrier
Mission Events Controller

MECA Main Engine Controller Assembly

MECCA Master Electrical Common Connector Assembly

MECF Main Engine Computational Facilities

MECH Mechanical

MECO Main Engine Cutoff

MECR Maintenance Engineering Change Request

MED Manual Entry Device
Medical
Medium

MEDEA Material Science Experiment Double Rack for Experiment
Modules and Apparatus (Spacelab D-1 Experiment)

MEDICS Medical Information Computer System

MEE Mission Essential Equipment

MEG Megohm

MEI Master Inspection Item

MEIG Main Engine Ignition

MEIU Main Engine Interface Unit

MEL Master Equipment List
Minimum Equipment List
Modular Electromagnetic Levitator

MELEO Material Exposure in Low Earth Orbit

MELI Master Equipment List Index
Minimum Equipment List Index

MEM Materials Experimentation Module
Meteoroid Exposure Module
Middeck Electronics Module
Module Exchange Mechanism

MEOP Maximum Expected Operating Pressure

MEP Main Engine Propellant
Main Entry Point
Management Engineering Program
Mean Effective Pressure
Minimum Entry Point

MEPF Multiple Experiment Processing Furnace

MEPF-GCF Multiple Experiment Processing Facility—Crystal Growth Furnace

MEPF-MAS Multiple Experiment Processing Facility—Metal Alloy Solidification

MEPHISTO French (derived from descriptive name) Material pour l'Etude des Phenomenes Interessant la Solidification sur Terre et en Orbite

MER Meridian
Mission Evaluation Room

MERL Materials Engineering Research Laboratory
Materials Equipment Requirement List

MERSAT Meteorology and Earth Observation Satellite

MERU Milliearth Rate Unit

MES Main Engine Start
Mated Elements Simulator
Mated Events Simulator
Mission Events Sequence

MESA Marshall Engineers and Scientists Association
Miniature Electrostatic Accelerometer
Modular Equipment Stowage Assembly
MSFC Engineering Support Area

MESC Master Events Sequencer Controller

MET Master Events Timer
Meteorological
Mission Elapsed Time
Mission Events Timer

META Megachannel Extraterrestrial Assay

METRO Meteorology

METVC Main Engine Thrust Vector

MEWG Maintenance Engineering Working Group

MF Major Function
Master Frame
Mate and Ferry
Medium Frequency (300 to 3,000 kHz)
Middeck Forward
Midfuselage

MFA Manned Flight Awareness

MFBP Manufacturing Flow and Building Plan

MFC Multiple Flight Computer
Multiple Flight Controller

MFD Main Feed
Malfunction Detection
Midflight Deck

MFDE Midflight Deck Experiment

MFE Mid Frequency Executive

MFE/Magnolia Magnetic Field Explorer/Magnolia Mission

MFF MDM Flight Forward

MFG Major Functional Group
Manufacturing

MFMR Multifrequency Microwave Radiometer
MFO Major Function Overlay
MFPE Mission From Planet Earth
MFR Manipulator Foot Restraint
Maximum Flight Rate
Multifunctional Receiver
Multifunctional Review
MFT Mean Flight Time
MFTAD Master Flight Test Assignment Document (JSC)
MFV Main Fuel Valve
MFVA Main Fuel Valve Actuator
MG Middle Gimbal (YAW)
Mobile Generator
Mg Magnesium
mg Milligram
MGA Middle Gimbal Angle
MGAMS/CDTR Microgravity Accelerometer Measurement System/Cassette Data Tape Recorder
MGC Manual Gain Control
MGE Maintenance Ground Equipment
MGM Mechanics of Granular Materials
MGMT Management
MGR Manager
MGSE Mechanical Ground Support Equipment
MGT Major Ground Test
MGVT Mated Ground Vibration Test
MHC Manipulator Hand Controller
MHD Multihead Disc
MHE Material Handling Equipment
MHF Medium High Frequency
MHSC Manipulator Handset Controller
MHW Multihundred Watt
MHz Megahertz (Megacycles Per Second)
MI Management Information
mi Mile
MIA Mission Implementation Agreement
Multiflex Interface Adapter
Multiplexer Interface Adapter
MIB Master Interconnect Board
MIC Management Information Center
MICG Mercury Iodide Crystal Growth
MICIS Material Information Control and Information System
MICOM Missile Command (Army)
MICS Management Information and Control System
MID Midbody
MIDDS/MEIDAS Meteorological Interactive Display Data System/Man Computer Interactive Data Access System
MIL GSFC Spaceflight Tracking and Data Network Station (KSC) Merritt Island, FL (STDN Site)
Military
MILA Merrit Island Launch Area
MILC Modified Intermediate Low Cycle
MILS Missile Impact Location System
MILSTRIP Military Standard Requisition and Issue Procedure
MIMOSA Mission Modes and Space Analysis
MIMS Medical Information Management System
MIN Minimum
min Minute
Mini-MADS Minimodular Auxiliary Data System
MINW Master Interface Network
MIO Management Integration Office
MIOS Multi-IMU Operation System

MIP Management Implementation Plan
Mandatory Inspection Point
Minimum Impulse Pulse
MMU Integration Plan
Modification Instruction Package

MIPR Military Intergovernmental Purchase Request

MIPS Merritt Island Press Site

MIR Malfunction Investigation Report
Mirror

MIRADS Marshall Information Retrieval and Display System

MIS Management Information System
Mission Information Subsystem

MISC Miscellaneous

MISS Mission

MIT Massachusetts Institute of Technology (CSDL)
Master Instruction Tape

MITS Marshall Integrated Telecommunications System

MITTS Mobile Igor Tracking Telescope System

MIU MPE Interface Unit
Multiplex Interface Unit

MIUL Materials Identification and Usage List

MIUS Modular Integrated Utility Systems

MJ Mechanical Joint

MJCA Midbody Jettison Control Assembly

MJS Manipulator Jettison System (Subsystem)

MK Mark

MKTI Mission Kit Technical Instruction

ML Middeck Left
Mobile Launcher
Mold Line

ML PED Mobile Launcher Pedestal

MLA MDM Launch Aft
Monochrome Lens Assembly

MLB Multilayer Board

MLC Mobile Launcher Computer

MLE Mesoscale Lightning Experiment

MLF MDM Launch Forward

MLG Main Landing Gear

MLGS Microwave Landing Guidance System

MLI Multilayer Insulation

MLL MDM Launch Left

MLP Mobile Launch (Launcher) Platform

MLR MDM Launch Right
Monodisperse Latex Reactor

MLRS Monodisperse Latex Reactor System

MLS Microwave Landing System

MLW Maximum Landing Weight

MLX Merritt Island, FL (STDN Site, Second Antenna)

MM Main Memory
Main Module
Major Mode
Man-Month
Mass Memory
Math Model
Mission Manager

mm millimeter

MMA Mass Memory Assembly
MSFC Management Association

MMACS Maintenance Mangement and Control System
Maintenance, Mechanical Arm, and Crew System Engineer

MMAG Martin Marietta Astronautics Group

MMAS Material Management Accounting (Accountability) System

MMC Martin Marietta Corporation
Mission Management Center

MMCA Midbody Motor Control Assembly

MMCL Master Measurement and Control List

MMDB Mass Memory Data Base
Master Measurement Data Base

MMDF Mission Model Data File

MMES MSFC Mated Element Systems

MMH Maintenance Man-Hour
Monomethylhydrazine

MMI Marshall Management Instruction
Mode-Medium Instability

MMIS Manpower Management Information System

MML Master Measurement(s) List

MMLS Model-Modes-Loads-Stresses

MMMS Martin Marietta Manned Space System
Militarized Multimission Modular Spacecraft

MMOS Multimode Optical Sensor

MMPSE Multiuse Mission Payload Support Equipment

MMS Mission Modular Spacecraft
Modular Multiband Scanner
Multimission Modular Spacecraft

MMSE Multiuse Mission Support Equipment

MMSL Microgravity Materials Science Laboratory

MMT Mass Memory Test

MMU Manned Maneuvering Unit
Mass Memory Unit

MN Main

MNA,B,C Main Bus A, B, or C

MNVR Maneuver

MO Major Objective
Manned Orbiter
Manual Orientation
Manufacturing Order
Mars Observer
Master Oscillator
Middeck Overhead
Mission Operations
Move

Mo Molybdenum

MOA Make on Arrival
Memorandum of Agreement
Minute-of-Angle

MOC Marine Operation Center
Missions Operations Center
Mission Operations Computer

MOCF Mission Operations Computational Facilities

MOCR Mission Operations Control Room

MOCS Multichannel Ocean Color Sensor

MOCV Manual O_2 Control Valve

MOD Mission Objectives Document
Mission Operations Directorate
Modification
Modify
Modulation, Modular
Module, Modular

MODART Methods of Defeating Advanced Radar Threats

MODB Master Object Data Base

MODEM Modulator-Demodulator

MODLAN Mission Operations Division Local Area Network

MODS Mission Operations and Data System
Modifications

MOF Manned Orbital Flight

MOL Molecular

MOM Mission Operations Manager
Moment

MON Monitor

MOP Mission Operations Plan

MOPI Max Rate Output Initiator

MOPR Mission Operations Planning Review
Mission Operations Planning Room

MOPS Military Operations Phone System
Mission Operations Planning System

MOR Manufacturing Operation Record
Mission Operations Report

MORD Medical Operations Requirements Document
Mission Operations Requirements Document

MORT Management Oversight and Risk Tree

MOS Metal Oxide on a Substrate
Metal Oxide Semiconductor
Mission Operations System

MOSPO Mobile Satellite Photometric Observatory

MOT Motor

MOU Memorandum of Understanding

MOV Main Oxidizer Valve

MOVA Main Oxidizer Valve Actuator

MOW Mission Operations Wing

MOWG Mission Operations Working Group

MP Management Package
Mass Properties
Measuring Point
Medium Pressure
Melting Point
Meteorology Panel
Mission Planner
Mod Package

MP&C Maintenance Planning and Control

MPA Mass Processing Analysis

MPAC Multipurpose Application Console

MPAD Mission Planning and Analysis Division (JSC)

MPB Maintenance Parts Breakdown

MPC Manual Pointing Controller
Memory Protection Check
Meteorological Prediction Center
Midbody Pyro Controller

MPD Main dc Power Distributor Assembly
Maximum Permissible Dose

MPE Mission Peculiar Experiment

MPESS Mission Peculiar Experiment Support Structure

MPG Multiple Point Ground
Multipoint Grounding

MPGHM Mobile Payload Ground Handling Mechanism

MPHE Material and Personnel Handling Equipment

MPI Mission Payload Integration

MPIIN Modification Procurement Instrument Identification Number

MPIO Mission Payload Integration Office

MPL Maintenance Parts List
Manipulation Positioning Latches
Mechanical Parts List
Minimum Power Level (65 percent)

MPLG Materials Processing in Low Gravity

MLPN Maintenance Planning (Data Base)

MPM Manipulator Positioning Mechanism
Materials Properties Manual

MPMP Mass Properties Management Plan

MPMSE Multiuse Payload and Mission Support Equipment

MPP Material Processing Procedure

MPPSE Multipurpose Payload Support Eqiupment

MPR Maintainability Problem Report
Management Program Review
Mission Planning Room
Mockup Purchase Request

MPS	Main Propulsion System (Subsystem)
	Master Program Schedule
	Material Processing Specification
	Material Processing System
	Materials Processing in Space
	Megabits Per Second
	Modular Power System
	Mission Planning System
MPSE	Moreless Payload Specialist Experiment
MPSL	Materials and Process Specification List
MPSR	Mission Profile Storage and Retrieval
	Multipurpose Support Room
MPSS	Main Parachute Support Structure
	Mission Planning and Scheduling System
	Multiple Payload Support Structure
MPT	Main Propulsion Test
MPTA	Main Propulsion Test Article
MPTF	Main Propulsion Test Facility
MPTP	Main Propulsion Test Program
MPTS	Multipurpose Tool Set
MPVA	Main Propellant Valve Actuator
MR	Main Ring
	Master Reset
	Material Review
	Mission Report
	Mixture Ratio
MRA	Main Ring Assembly
	Mechanical Readiness Assessment
MRB	Material Review Board
MRC	Measurement Requirements Committee
MRCR	Measurement Requirement Change Request
MRD	Material Review Disposition
	Mission Requirements Document
MRDR	Material Review Disposition Record
MRE	Monopropellant Rocket Engine
	Motor Requirement Evaluation
MRF	Maintenance Responsibility File
	Maximum Retarding Force
	Measurements/Stimuli Request Form
MRI	Measurement Requirements and Interface
	Moderate Resolution Imager
MRIR	Medium Resolution Infrared Radiometer
MRL	Manipulator Retention Latches
	Manipulator Retention Lock
	Material Requirements List
MRMDF	Mobile Remote Manipulator Development Facility
MRMS	Mobile Remote Manipulator System
MRR	Mission Readiness Review
	Mission Reconfiguration Request
MRS	Management Review System
MRTC	Multiple Real-Time Commands
MS	Machine Screw
	Machine Steel
	Man System
	Margin of Safety
	Mass Spectrometer
	Master Switch
	Material Specification
	Materials Science
	Mating Sequence and Control
	Milestone
	Military Standard (Parts Designation)
	Mission Specialist
	Mission Station
	Multistring

ms	Millisecond
MS/MS	Material Science and Manufacturing in Space
MSA	Material Service Area
	Minimum Surface Area
MSA-1	Marshall Sprayable Ablator
MSA-2	Improved Marshall Sprayable Ablator
MSAD	Materials Summary Acceptance Document
MSB	Most Significant Bit
MSE	Multiple Sample Exchanger
MSFLS	Microwave Scanning Beam Land Station
	Microwave Scanning Beam Landing System
MSBLS-GS	MSBLS Ground Station
MSC	Manned Spacecraft Center (changed to JSC)
	Master Sequence Controller
	Materials Service Center
	Military Sealift Command
	Mobile Servicing Center
	Moding Sequencing and Control
MSCC	Manned Systems Control Center
MSCI	Mission Scientist
MSCR	Measurement/Stimuli Change Request
MSD	MARS Supplemental Data
MSDS	Multispectral Scanner and Data System
MSE	Maintenance Support Equipment
	Measuring and Stimuli Equipment
	Mechanical Support Equipment
	Medical Support Equipment
	Mission Staff Engineer
	Multiple Sample Exchanger
MSEC	Master Separation Events Controller
msec	Millisecond (ms preferred)
MSF	Maintenance Source File
	Manned Space Flight
MSFC	George C. Marshall Space Flight Center
MSFN	Manned Space Flight Network
MSFP	Manned Space Flight Program
MSG	Mechanical Subsystem Group
	Message
	Mission Support Group
MSI	Maintenance Significant Items
	Medium Scale Integration
MSIA	Multispectral Image Analyzer
MSID	Measurement Stimulation Identification
MSIS	Man Systems Integration Standard
MSK	Manual Select Keyboard
MSL	Materials Science Laboratory
	Mean Sea Level
	Mechanical System(s) Laboratory
	Missile
MSLD	Mass Spectrometer Leak Detector
MSM	Manned Support Module
MSN	Mission
MSO	Model for Spare(s) Optimization
MSOB	Manned Spacecraft Operations Building (O&C preferred)
MSOCC	Multisatellite Operations Control Center
MSOIN	Minor Subcontractor or IDWA Notification
MSR	Module Support Rack
MSS	Maintenance Status System
	Manufacturers Standardization Society
	Mechanical Support Systems
	Mission Specialist Station
	Mission Status Summary
	Mobile Service Structure
	Multispectral Scanner System

MSSTA Multispectra Solar Telescope Array

MST Measurement Status Table
Mission Sequence Test
Mobile Service Tower
Module Service Tool
Module Systems Trainer
Mountain Standard Time

MSTR Master

MSU Mass Storage Unit
Measuring Stimuli Units

MSV Monitored Sine Vibration (Test)

MSVP Master Shuttle Verification Plan

MSW Microswitch

MSWG Materials Science Working Group

MT/PMP Mobile Transporter/Permanent Manned Presence

MT Magnetic Tape
Master Timer
Master Tool
Maximum Torque
Mean Time
Mechanical Technician
Metering Truss
Mission Time
Mission Trajectory
Mobile Transporter
Mount
Mountain Time

MTA Magnetic Torquer Assembly
Maintenance Task Analysis
Major Test Article
Marshall Trowelable Ablator
Mass Thermal Analysis

MTB Materials Testing Branch

MTBD Mean Time Between Demand

MTBF Mean Time Between Failure

MTBM Mean Time Between Maintenance

MTBMA Mean Time Between Maintenance Action

MTBR Mean Time Between Replacement

MTC Man-Tended Capability
Manual Traffic Control
Master Thrust Control
Master Thrust Controller
Mission and Traffic Control

MTCA Monitor and Test Control Area

MTCU Magnetic Tape Control Unit

MTD Mounted

MTDSK Magnetic Tape Disk

MTE Maintenance Test Eqiupment
Multisystem Test Equipment

MTEC Maintenance Test Equipment Catalog

MTEE Electrical Maintenance Test Equipment

MTEEC Electronic Maintenance Test Equipment

MTEF Fluid Maintenance Test Eqiupment

MTEM Maintenance Test Equipment Module
Mechanical Maintenance Test Equipment
Mesosphere-Thermosphere Explorer Mission

MTEO Optical Maintenance Test Equipment

MTF Mississippi Test Facility (now NSTL)

MTFO Modular Training Field Option

MTG Mounting

MTGP Monitor Table Generator Program

MTGW Maximum Total Gross Weight

MTI Morton Thiokol, Inc.

MTK Mechanical Time Keeping

MTL Main Transfer Line
Material

MTLP Monitor Table Listing Program

MTM Methods Time Measurement

MTO	Magnetic Tape Operator
	Master Timing Oscillator
	Maximum Time Out
	Mission, Task, Objective
	Modification Task Outline
MTOGW	Maximum Takeoff Gross Weight
MTOW	Maximum Takeoff Weight
MTP	Manufacturing Technical Procedure
	Master Test Plan
	Mission Test Plan
MTPE	Mission To Planet Earth
MTR	Magnetic Tape Recorder
	Motor
MTS	Magnetic Tape Station (System)
	Master Timing System
	Metric Time System
MTT	Maximum Touch Temperature
MTTA	Mean Time to Accomplish
MTTE	Mean Time to Exchange
MTTF	Mean Time to Failure
MTTFF	Mean Time to First Failure
MTTR	Mean Time to Repair
MTU	Magnetic Tape Unit
	Master Timing Unit
	Mobile Training Unit
MTVC	Manual Thrust Vector Control
	Main Thrust Vector Control
MTW	Maximum Taxi Weight
MU	Master Unit
	Mobile Unit
	Mockup
	Multiple Unit
MUA	Material(s) Usage Agreement
	Maximum Usable Altitude
MUF	Maximum Usable Frequency
MULT	Multiple
	Multiply
MUM	Mass Memory Unit Manager
MUMS	Multiple Use Marc System
MUR	Manpower Utilization Report
MUSAT	Canadian Government Satellite
MUSS	Module Utility Support Structure
MUX	Multiplex, Multiplexer
MV	Manual Valve
	Manufacturing Verification
mV	Millivolt
MVA	Main Valve Actuator
	Megavolt Ampere
MVAS	Multipurpose Ventricular Actuating System
MVC	Manual Volume Control
	Master Volume Control
MVF	Manned Vertical Flight
MVGVT	Mated Vertical Ground Vibration Test
MVI	Microgravity Vestibular Investigation
MVM	Mariner Venus/Mercury
MVP	Master Verification Plan
MVR	Maneuver
MVS	Middle Value Select
	Multiple Virtual Storage
MVT	Mission Verification Test
MW	Man Week
	Microwave
mW	Milliwatt
MWB	Master Work Book
MWG	Maintenance Analyzer Working Group
MWP	Maximum Working Pressure
MWPE	Mental Workload and Performance
MWPR	Monthy Work Package Report
MWR	Mean Width Ratio
MWS	Molecular Wake Shield
MWV	Maximum Working Voltage
MX	Multiplex
MY	Man Year

MYTA	Maintainability Task Analyses
MYVAL	Maintainability Evaluation
MZFW	Maximum Zero Fuel Weight

N

N	Neutrons
	Newton
	North
N_2	Nitrogen
N_2H_4	Hydrazine
N_2HO_4	Nitrogen Peroxide
N_2O_4	Nitrogen Tetroxide
N&G	Navigation and Guidance (G&N preferred)
N/A	Next Assembly
	Not Applicable
N/B	Narrow Band
N/C	Non-Concur
	Normally Closed
	Nose Cone
	Not Critical
	Numerical Control
N/D	Need Date
N/O	Normally Open
N/P	Not Provided
N/W	Network
NA	Next Action
	Not Applicable
NAAL	North American Aerodynamic Laboratory (Wind Tunnel)
NAC	Nacelle
NACA	National Advisory Committee for Aeronautics
NAEC	Naval Air Engineering Center
NAFIS	NASA Accounting and Financial Information System
NAM	National Association of Manufacturers
NAOO	National Oceanic and Atmospheric Administration
NAP	Navigation Analysis Program
NAR	Numerical Analysis Research
NARC	North American Rockwell Corporation
NARS	National Archives and Record Services
NAS	National Academy of Sciences
	National Aircraft Standard
	Naval Air Station
NASA	National Aeronautics and Space Administration
NASCAD	NASA Computer Aided Design
NASCOM	NASA Communications (Network)
NASDA	National Space Development Agency (of Japan)
NASP	National Aerospace Plane
NASTRAN	NASA Structural Analysis
NATF	Naval Air Test Facility
NATL	National
NAV	Navigate, Navigation
NAVAID	Navigation Aid
NAVDAD	Navigationally Derived Air Data
NAVEX	Navigation Experiments (Spacelab D-1 Experiment)
NAVPOOL	Navigation Parameter Common Pool
NAVSAT	Navigation Satellite
NAVSTAR	Navigational Star
NB	Narrow Band
	Navigation Base
	Neutral Buoyancy
	Nitrogen Base
	No-Bias (Relay)
Nb	Niobium
NBF	Neutral Buoyancy Facility
NBL	Neutral Buoyancy Laboratory
NBS	National Bureau of Standards
	Neutral Buoyancy Simulator
NBT	Neutral Buoyancy Trainer

NC	National Course
	No Change
	No Comment
	Noise Criteria
	Normally Closed
	Normal Corrective Maneuver
	Numerical Control
NC1	Nominal Correction 1 (Phasing Maneuver)
NCAR	National Center for Atmospheric Research (National Science Foundation Research Center)
NCC	NASA Class Code
	Nominal Corrective Combination (Maneuver)
	Normal Corrective Combination (Maneuver)
NCFI	North Carolina Foam Insulation
NCGS	Nuclear Criteria Group Secretary
NCI	Phasing Maneuver
NCIU	Network Common Interface Unit
NCOS	National Commission on Space
NCR	No Calibration Required
	Nonconformance/Failure Report
NCS	Nutation Control System
ND	NASA Document
Nd	Neodymium
NDE	Nondestructive Evaluation
NDI	Nondestructive Inspection
NDT	Nondestructive Test
NDTF	Nondestructive Test Facility
NDTL	Nondestructive Test Laboratory
NEA	Noise Equivalent Angle
NEBA	NASA Employee Benefit Association
NEC	National Electrical Code
	Nippon Electric Company
NEEDS	NASA End-To-End Data System
NEG	Negative
NEMS	NASA Equipment Management System
NEP	Normal Entry Point
NEPA	National Environmental Protection Act
NESC	National Electrical Safety Code
NESR	Natural Environment Support Room
NET	NASA Employee Team
	Network (N/W preferred)
NETCOM	Network Communications
NEWMAST	National Education Workshop for Math and Science Teachers
NEXUS	NASA Engineering Extendible United Software System
NF	Natural Flood
	Noise Figure
NFCS	Nuclear Forces Communications Satellite
NFPA	National Fire Protection Association
NFS	Nozzle Flow Sensor
NFSP	Nonflight Switch Panel
NFW	Nonfuel Wasting
NG	Narrow Gauge
	Nitrogen Gauge
	Nose Gear
NGM	Nitrogen Generation Module
NGT	NASA Ground Terminal
NH	Nominal Height (Adjust Maneuver)
	Normal Height Adjustment Maneuver
NH_3	Ammonia
NH_4	Hydrazine
NHA	Next Higher Assembly
NHB	NASA Handbook
NHC	National Hurricane Center
Ni	Nickel
Ni-Ag	Nickel-Silver (preferred)
Ni-Cd	Nickel Cadmium

NI-SIL	Nickel-Silver (Ni-Ag preferred)
NIA	NOVA Interface Adapter
NIB	Noninterference Basis
NIC	Not in Contract
NICD	Nickel Cadmium (Ni-Cd preferred)
NIDS	Network Interface Data System
NIL	No Limit (NL preferred)
NIM	Nuclear Instrumentation Module
NIP	Network Input Processor
	Network Interface Processor
	Nipple
NJAD	Nozzle Joint Assembly Demonstration
NJES	Nozzle Joint Environment Simulator
NJP	Network Job Processing
NL	No Limit
	Nose Left
NLA	Next Lower Assembly
NLG	Nose Landing Gear
NLT	Not Later Than
	Not Less Than
NM	Nautical Miles
	Network Manager (GSFC)
	Nonmetallic
nm	Nanometer
NMAB	National Materials Advisory Board
NMC	National Meteorologial Center
NMI	NASA Management Instruction
	Nautical Miles
NMO	Normal Manual Operation
NMR	Nuclear Magnetic Resonance
NMT	Not More Than
	Notification of Master Tool
NMV	Nitrogen Manual Valve
NNI-I	NASA Standard Initiator–Type I (was SMSI)
NO	Nitric Oxide (Nitrogen Monoxide)
	Normally Open
	Not for Off-KSC Distribution
No.	Number
NO_2	Nitrogen Oxide (Nitrogen Dioxide)
NOAA	National Oceanic and Atmospheric Administration
NOC	Network Operation Control
	Not Otherwise Coded
	Notation of Content
NOCC	Network Operations Control Center
NOCR	Network Operations Control Room
NOES	National Operational Environmental Satellite Serv.
NOM	Network Output Multiplexer
	Nominal
NOOS	Navy Oceanographic Observations from Space
NOR	Normal
	Northrup Flight Strip, NM (Deorb OPT Site)
NORAD	North American Air Defense Command
NORDSAT	Scandinavian Countries Broadcast Satellite
NORM	Normal
NOSL	Night/Day Optical Survey of Thunderstorm Lightning
NOSP	Network Operations Support Plan
NOSS	National Oceanic Survey Satellite
NOZ	Nozzle
NP	Neptunium
	Network Program
	Not Provided
NPC	NASA Publication Control
	Nitrogen Purge Control
	Normal Plane Change Maneuver
NPD	NASA Policy Directive
	Nominal Percent Defective
NPDS	Nuclear Particle Detection Subsystem

NPF	NAVSTAR Processing Facility
NPL	Normal Power Level (see RPL)
NPN	NASA Part Number
NPRV	Nitrogen Pressure Relief Valve
NPS	NASA Planning Studies
NPSH	Net Positive Suction Head
NPSP	Net Positive Static Pressure
	Net Positive Suction Pressure
NPU	Nitrogen Purge Unit
NPV	Nitrogen Pressure Valve
NR	Noise Rating
	Nose Right
	Not Required
NR/T	Near Real-Time
NRC	National Research Council
	Nonrecurring Costs
NRCC	National Research Council of Canada
NREDC	National Rocket Engine Development Complex
NRI	Nonrecurring Investment
NRL	Naval Research Laboratory
NRM	Nonrecurring Maintenance
	Nuclear Radiation Monitor
NRP	Normal Rated Power
NRS	Nonconformance Reporting System
NRT	Near Real-Time
NRTS	Non Repairable at This Station
NRZ	Non-Return-to-Zero
NRZ-L	Non-Return-to-Zero Level
NS	Nickel Steel
	Not Switchable
	Nuclear Shuttle
NSA	National Standards Association
NSD	NASA Standard Detonator
NSF	National Science Foundation
NSI-I	NASA Standard Initiator–Type I (was SMSI)
NSN	NASA Science Network
	National Stock Number
NSO	NASA Support Operation
NSP	NASA Support Plan
	Network Signal Processor
NSPARS	Nonstandard Parts Approval Request
NSPL	NASA Standard Parts List
NSR	National Slow Rate
	Nominal Slow Rate
	Normal Slow Rate (Maneuver)
NSR1	First Coelliptic Maneuver
NSR2	Second Coelliptic Maneuver
NSRS	NASA Safety Reporting System
NSS	Nitrogen Supply Subsystem
NSSC	NASA Standard Spacecraft Computer
NSSDC	National Space Science Data Center
NST	Node Systems Trainer
NSTS	National Space Transportation System
NSW	NSP Status Word
nt	Newton
NTIS	National Technical Information Service
NTO	Nitrogen Tetroxide
NTP	Network Test Panel
	Normal Temperature and Pressure
	Notice To Proceed
NTR	Nuclear Thermal Rocket
NTS	Near Term Schedule
	Not to Scale
NTSO	NASA Test Support Office
NTTF	Network Test and Training Facility
NUL	Non-GSE Utilization List
NUSAT	Northern Utah Satellite
NVAFB	North Vandenberg Air Force Base
NVB	Navigational Base
NVPOWG	NASA/VAFB Payload Operations Working Group

NVR	No Voltage Release
	Nonverification Required
	Nonvolatile Residue
NW	NASA Waiver
	Nose Wheel
NWS	National Weather Service
	Nose-Wheel Steering
NWSA	Nose Wheel Steering Amplifier
NWSI	New World Services Inc.
NWT	Nonwatertight
NWW	Nose Wheel Well
NX	Normal to X-Axis
	Nose to X-Axis
NY	Normal to Y-Axis
	Nose to Y-Axis
NZ	Normal Acceleration
	Normal Load Factor (g)
	Normal to Z-Axis
	Nose to Z-Axis
NZB	Non-Zero Binary

O

O	Omicron
	Out
O_2	Oxygen
O&C	Operation and Checkout
	Operation(s) and Checkout (Building—was MSOB)
O&FS	Operations and Flight Support
O&IA	Operations and Integration Agreement
O&M	Operation and Maintenance
O&P	Operations and Procedures
O&R	Overhaul and Repair
O-NAV	Onboard Navigation
O/B	Onboard
	Operational Base
O/C	Operations Critical
O/D	On Dock
	Outside Diameter
O/E	Output Electronics
O/ET	Orbiter/External Tank
O/F	Oxidizer-to-Fuel Ratio
O/L	Overload
O/L-RC	Overload-Reverse Current
O/O	On Orbit
O/R	Outside Radius
	Oxygen Relief
O/V	Overvoltage
O/V-U/V	Over Voltage/Under Voltage
OA	Office of Applications (now OSTA)
	Operational Aft (DSC or MOM)
	Operational Instrumentation MDM–Aft
	Orbital Assembly
	Output Axis
	Overall
OAA	Orbiter Access Arm
	Orbiter Alternate Airfield
OAET	Office of Aeronautics, Exploration, and Technology
OAFD	Orbiter Air Flight Deck
OAFTO	Orbiter Atmospheric Flight Test Office
OAL	Overall Level
OALC	Ogden Air Logistics Center
OAMS	Orbital Attitude and Maneuvering System
OANC	Orbiter Ancillary
OAO	Orbiting Astronomical Observatory
OART	Office of Advanced Research and Technology
OAS	Office Automation System
	Orbiter Aeroflight Simulator
	Orbiter Atmospheric Simulator
	Orbiter Avionics System
OASCB	Orbiter Avionics Software Control Board
OASIS	Oceanic and Atmospheric Scientific Information System
	Orbiter Experiments Program Autonomous Supporting Instrumentation System (flown on STS-29)
OASPL	Overall Sound Pressure Level
OAST	Office of Aeronautics and Space Technology (Now OAET)
OAT	Operational Acceptance Test
	Overall Test
OB	Onboard
	Operational Base
	Optical Bench
	Outboard
OBC	Onboard Computer
OBCO	Onboard Checkout (Instrumentation)
OBCS	Onboard Checkout Subsystem

OBS Observe, Observer
Operational Bioinstrumentation System
Operational Biomed Sensors
Operational Biomedical System

OBV Oxidizer Bleed Valve

OC On Center
On-Condition
Open Circuit
Operations Controller
Orbital Check
Operations Coordinator
Overcurrent

OCALC Oklahoma City Air Logistics Center

OCC Office of Contract Compliance
Operations Control Center

OCD Operational Capability Development

OCDR Orbiter Critical Design Review

OCDU Optics Coupling Data Unit (G&N)

OCE Ocean Color Experiment
Optical Control Electronics

OCF Onboard Computational Facility
Orbiter Computational Facilities

OCGF Organic Crystal Growth Laboratory Facility

OCH Orbiter Common Hardware

OCM Organic Content Monitor

OCN Order Control Number

OCO OMS Cutoff
Open-Close-Open

OCP Output Control Pulse

OCR Optical Character Recognition

OCRM Orbiter Crash and Rescue Manuals

OCS Onboard Checkout System
Optical Control System

OCT Octal, Octave

OD Operations Directive
Operational Downlink/Downlist
Outside Diameter
Oxygen Drain

ODB Operational Data Book

ODC Other Direct Costs

ODCDR Orbiter Delta CDR

ODDS Operational Data Delivery Services

ODES Optical Discrimination Evaluation Study

ODF Operations Data File
Orbit Determination Facility

ODIN Orbital Design Integration (System)

ODP Operational Display Procedure

ODR Output Data Redundancy

ODRAN Operational Drawing Revision Advance Notice

ODU Output Display Unit

OEAS Orbital Emergency Arresting System

OECO Outboard Engine Cutoff

OEM Original Equipment Manufacturer

OES Orbiter Emergency Site

OESS Orbiter/ET Separation Subsystem

OEX Orbiter Experiments

OEXP Office of Exploration

OF Operational FWD DSC or MDM
Operational Instrumentation MDM–FWD
Orbital Flight
Outside Face
Oxidizer-to-Fuel Ratio
Oxygen Fill

OFCC Office of Federal Contract Compliance

OFDS Orbiter Flight Dynamics Simulator
Oxygen Fluid Distribution System

OFI Operational Flight Instrumentation
Orbital Flight Instrumentation

OFK	Official Flight Kit
	Optical Flight Kit
OFM	Original Equipment Manufacturer
OFP	Operational Flight Profile
	Operational Flight Program
	Orbiter Flight Program
OFS	Orbital (Orbiter) Flight System
	Orbiter Functional Simulator
OFT	Orbital Flight Test
OFTDS	Orbital Flight Test Data System
OFTM	On-Orbit Flight Technique Meeting
OFTR	Orbital Flight Test Requirement
OG	Outer Gimbal (Roll)
	Oxygen Gauge
	Zero Gravity
OGA	Outer Gimbal Angle
	Outer Gimbal Axis
OGE	Operating Ground Equipment
OGMT	Orbiter Greenwich Mean Time
OGO	Orbiting Geophysical Observatory
OGS	Optical Grating Spectrometer
	Outer Glideslope
	Oxygen Generation System
OGV	Oxygen Gauge Valve
OH	Overhaul
	Overhead
OHA	Operational Hazard Analysis
	Orbital Height Adjustment Maneuver
OHC	Onboard Hard Copier
	Optics Hand Controller
OHF	Occupational Health Facility
OHGVT	Orbiter Horizontal Ground Vibration Test
OHMM	Ohmmeter
OI	Operational Instrumentation
	Operations Interface
	Orbiter Insertion
	Orbiter Instrumentation
OIA	Office of International Affairs
	Orbiter Interface Adapter
OIB	Orbiter Interface Box
OIC	Orbiter (Orbital) Integrated Checkout
OIG	Office of Inspector General
OII	Operations Integration Instruction
OIO	Operations Integrations Officer
OIR	Operations Integration Review
OIS	Operational Intercommunication System
	Orbiter Insertion Stage
	Orbiter Instrumentation Systems
OISR	Open Item Status Report
OISSP	Office of Interim Space Station Program
OIT	Orbiter Integrated Test
OIV	Oxidizer Isolation Valve
OIVS	Orbiter Interface Verification Set
OJT	On-the-Job Training
OL	Open Loop
	Operational Left DSC or MDM
	Overlay
	Overload
OLDB	On-Line Data Bank
OLF	Orbiter Landing Facility (now SLF)
OLIF	Orbiter Landing Instrumentation Facilities
OLOW	Orbiter Lift-Off Weight
OLSA	Orbiter/LPS Signal Adapter
OLSP	Orbiter Logistics Support Plan
OM	Operational Mid DSC or MDM
	Optical Master
	Outer Marker (ILS)
OMA	Operations Maintenance Area
	Operations Management Application
	Orbiter Maintenance Area
OMB	Office of Management and Budget

OMBUU Orbiter Midbody Umbilical Unit

OMC Orbiter Maintenance and Checkout

OMCF Operations and Maintenance Control File

Orbiter Maintenance and Checkout Facility

OMD Operations and Maintenance Documentation

Orbiter Mating Device

OMDR Operations and Maintenance Data Record

OMDR1 Operations and Maintainability Data Record

OME Orbital Main Engine

Orbital Maneuvering Engine

Orbiter Main Engine

OMET Orbiter Mission Elapsed Time

OMEWG Orbiter Maintenance Engineering Working Group

OMI Operations and Maintenance Instruction

OMIS Operational Management Information System

OMISS Operation and Maintenance Instruction Summary Sheet(s)

OML Orbiter Mold Line

Outer Mold Line

Outside Mold Line

OMMH Orbiter Maintenance Man-Hours

OMNI Omni-Range

Omnidirectional

OMP Operations and Maintenance Plan

OMPR Operational Maintainability Problem Reporting

OMPT Observed Mass Point Trajectory

OMR Operations and Maintenance Requirements

Operations Management Room

Orbiter Management Review

OMRB Operating Material Review Board

OMRC Operational Maintenance Requirements Catalog

OMRF Orbiter Maintenance and Refurbishment Facility

OMRP Operations and Maintenance Requirements Plan

OMRS Operations and Maintenance Requirements Specification

OMRSD O&M Requirements and Specification Documentation

Operational Maintainability Reporting Systems Document

Operational Maintenance Requirements and Specifications Document

OMRSP Operations and Maintenance Requirements and Specification Document

OMS Operations Management System

Orbital Maneuvering Subsystem (System)

OMSF Office of Manned Space Flight (now OSTS)

OMSP Operational Maintenance Support Plan

OMU Optical Measuring Unit

OMV Orbital Maneuvering Vehicle

Oxygen Manual Valve

ONBD Onboard

ONBT Orbiter Neutral Buoyancy Trainer

OND Operator Need Date

ONR Office of Naval Research

OOD Orbiter On-Dock

OODP Out-of-Detent Pitch

OODR Out-of-Detent Roll

OOMM Organizational Operations and Maintenance Manual

OOP	Out of Position
OOS	On-Orbit Station
	Orbit-to-Orbit Shuttle
	Orbit-to-Orbit Stage
OOSDP	On-Orbit Station Distribution Panel
OOT	Out of Tolerance
OP	Open
	Operate
	Operation
	Oxygen Purge
OPA	Operations Planning Analysis
OPB	Oxidizer Preburner
OPCG	Organic Polymer Crystal Growth
OPDAR	Optical Detection and Ranging
OPE	Other Project Element
OPER	Operation
	Operations, Operate, Operator
OPF	Orbiter Processing Facility
OPFC	Orbiter Preflight Checklist
OPGUID	Optimum Guidance (Technique)
OPI	Orbiter Payload Interrogator
OPIDF	Operational Planning Identification File
OPIS	Orbiter Prime Item Specification
OPL	Open Problem List
	Operational
OPLF	Orbiter Processing and Landing Facility
OPNS	Operational Phase
OPO	Orbiter Project(s) Office
OPOV	Oxidizer Preburner Oxidizer Valve
OPOVA	Oxidizer Preburner Oxidizer Valve Actuator
OPP	Opportunity
	Opposite
OPPAR	Orbiter Project(s) Parts Authorization Request
OPPF	Operation of Property and Pressurization Facility
OPPL	Orbiter Project Parts List
OPR	Office of Primary Responsibility
	Operations Planning Review
	Operator
	Orbiter/Payload Recorder
	Oxygen Pressure Regulator
OPRV	Oxygen Pressure Relief Valve
OPS	Operations
	Operations Sequence
	Orbiter Project Schedules
	Oxygen Purge System
OPSB	Orbiter Processing Support Building
OPSR	Operations Supervisor (GSTDN Site)
OPSS	Orbital Propellant Storage Subsystem
OPT	Operational Pressure Transducer
	Optics
	Optimum
	Option
OPTB	Operational Program Time Base
	Opposite
OR	Operational Right DSC or MDM
	Operational Recorder
	Operations Requirement
	Operations Review
	Operations Room
	Outer Roll
	Oxygen Relief
ORB	Orbit, Orbital, Orbiter
	Order
ORB 1-g	Orbiter 1-g (trainer)
ORCHIS	Oak Ridge Computerized Hierarchical Information System

ORD Operational Readiness Date
Operational Ready Data
Operational Requirements Document
Orbital Requirements Document
Ordnance

ORE On-Orbit Repair Experiment

ORDC Orbiter Data Reduction Center

ORF Orifice

ORG Organization

ORI Operational Readiness Inspection

ORIDE Override

ORIEN Orientation

ORIG Origin

ORLA Optimum Repair Level Analysis

ORP OFS Retransmission Processor

ORR Operational Readiness Review
Operations Requirements Review
Orroral Valley, Australia (STDN)

ORS Orbital Refueling System

ORSA Ogive Recovery System Assembly

ORSDI Oak Ridge Selective Dissemination of Information

ORT Operational Readiness Test
Orbit Readiness Test

ORTHOG Orthogonal

ORUC Orbital Replacement Unit Carrier

ORU's Orbital Replacement Units

OS On-Orbit Station
Operating Software
Operating System
Optics Subsystem
Orbital Servicing
Orbiter CEI Specification

OSA Operational Support Area

OSC Operations Support Center
Orbital Sciences Corporation
Oscillator

OSCRS Orbital Spacecraft Consumables Resupply System

OSDH Orbiter System Definition Handbook

OSE Operating Support Equipment
Orbiter Support Equipment

OSF Office of Space Flight (now OSTS)
Ordnance Storage Facility

OSHA Occupational Safety and Health Act (Activity)
Occupational Safety and Health Administration

OSLM Operations Shop/Lab Manager

OSM Orbital Service Module

OSMP Operational Support Maintenance Plan

OSO Ocean Systems Operation
Orbiting Solar Observatory

OSOP Orbiter Systems Operating Procedures

OSP Operations Support Plan

OSR Operations Support Room

OSS OEX Support System
Office of Space Science
Office of Space Station
Optics Subsystems
Orbiting Space Station

OSSA Office of Space Science and Applications

OSSRH Orbiter Subsystem(s) Requirements Handbook

OST Operations Support Team (GSFC)
Orbiter Support Trolley

OSTA Office of Space and Terrestrial Application(s)

OSTDS Office of Space Tracking and Data Systems

OSTO Office of Space Transportation Operations

OSTP	Office of Science and Technology Policy
	Orbiting System Test Plan
OSTS	Office of Space Transportation Systems
OT	Operating Time
	Operational Instrumentation MDM—Tank
	Operational Test
	Operational Trajectory
	Optical Tracker
	Out Temperature
	Overtime
OT&E	Operational Test and Evaluation
OTA	Optical Telescope Assembly
OTB	Orbiting Tanker Base
OTBD	Outboard
OTBV	Oxidizer Turbine Bypace Valve
OTC	Orbiter Test Conductor
OTD	Operational Technical Documentation
	Orbiter Test Director
OTDA	Office of Tracking and Data Acquisition (now OSTDS)
OTEMP	Overtemperature
OTF	Ocean Test Fixture
	Orbital Test Flight
OTG	Objective Transmission Grating
OTH	Over-the-Horizon (Radar)
OTK	Oxidizer Tank
OTL	Ordnance Test Laboratory
OTLC	Orbiter Timeline Constraints
OTO	One-Time-Only
OTOS	Orbit-to-Orbit Stage
OTP	Operational Test Procedure
	Operations Test Plan
	Operations Turnaround Plan
OTR	Operating Time Record
	Outer
OTS	Off-the-Shelf
	Orbiter Test Conductor
OTT	Optional Team Targeting
OTV	Operational Television
	Orbiter Transfer Vehicle
OUCD	Operations Utilization and Capability Development
OUP	OFS Uplink Processor
OUT	Orbiter Utilities Tray
	Outlet
	Output
OUTBD	Outboard
OV	Orbiter Vehicle
	Oxygen Vent
OVBD	Overboard
OVCO	Operational Voice Communication Office
OVF	Overfill
OVFL	Overflow
OVHD	Overhead
OVHT	Overheat
OVI	Operational Validation Inspection
OVLD	Overload
OVRD	Override
OVS	Operational Voice System
OVV	Overvoltage
OW	Optical Window
OWD	One-Way Doppler
OWDE	One-Way Doppler Extraction
OWF	Optimum Working Frequency
OWS	Operations Work Station
	Optical Witness Sample
OX	Oxidizer
OXD	Oxide, Oxidizer
OXDZR	Oxidizer
OXID	Oxidizer
OXY	Oxygen

OZ	Ozone
oz	Ounce

P

P	Pallet (Spacelab)
	Period
	Pilot
	Pitch
	Pole
	Pressure
	Primary
	Prime
	Roll Rate (Angular Rate)
P&FS	Particles and Fields Subsatellite
P&I	Performance and Interface (Specification)
P&M	Performance Monitor
	Phase Modulation (Modulated)
	Planetary Mission
	Preventive Maintenance
	Processes and Materials
	Program Milestone
	Pulse Modulation
P&R	Performance and Resources
P&SM	Procurement and Subcontract Management
P&W	Pratt and Whitney
P-BAND	225 to 390 MCS
P-P	Peak-to-Peak (Value)
P-TUBE	Pneumatic Tube
P-WEAR	Preliminary Work Breakdown Structure Element Audit Review
P/A	Problem Analysis
	Propulsion/Avionics
P/B	Preburner
	Pushbutton
P/C	Pitch Control
P/L	Parts List
	Payload
	Postlanding
	Purchased Labor
P/N	Part Number
P/P	Patch Panel
	Printer/Plotter
P/PL	Primary Payload
P/S	Parallel to Serial Converters
	Payload Specialist
P/Y	Pitch/Yaw
PA	Pad Abort
	Paging and Area Warning
	Power Amplifier
	Product Assurance
	Public Address
	Public Affairs
	Pulse Amplifier
PABX	Private Automated Branch Exchange
PAC	Pressure Alpha Center
	Probe Aerodynamic Center
	Problem Action Center
	Problem Assessment Center
PACAS	Personnel Access Control Accountability System
PACC	Problem Action Control Center
PACE	Prelaunch Automatic Checkout Equipment
PACS	Payload Actuation and Control System
	Pointing and Attitude Control System
PAD	Preliminary Advisory Data (Crew Data Uplink)
	Program Approval Document
	Propellant Acquisition Device
PAE	Preventive Action Engineer
	Problem Assessment Engineer

PAF Payload Attach Fitting
Peak Annual Funding

PAFB Patrick Air Force Base

PAH Payload Accommodations Handbook

PAL Protuberance Aerodynamic Load

PAL APA Indonesian Communications Satellite

PALS Photo Area and Location System
Precision Approach and Landing System

PAM Particle Anticoincidence Mantle
Payload Assist Module
Pulse Amplifier Modulation
Pulse Amplitude Modulation

PAM-A PAM, Atlas-Centaur Class Spacecraft

PAM-D PAM, Delta Class Spacecraft

PAM-DII Payload Assist Module–Delta Class 2

PAMB Pressure Ambient

PAN Polyacrylonitrile

PAO Public Affairs Office (Officer)

PAP Payload Activity Planner
Product Assurance Plan

PAPI Precision Approach Path Indicator

PAR Payload Accommodations Requirements
Planning Action Request
Precision Approach Radar
Problem Accountability Record
Problem Action Record
Problem Action Request
Product Acceptance Review

PARA Paragraph

PARAM Parameter

PARLIQ Phase Partitioning in Liquids

PARS Property Accountability Record System

PAS Payload Accommodation Studies
Primary Ascent System
Problem Assessment System

PASS Planning and Scheduling System
Primary Avionics Software System

PAT Problem Action Team
Production Acceptance Test

PATH Postflight Attitude and Trajectory History

PATIE Pointing and Tracking Integrated Experiment

PATP Preliminary Authority To Proceed

PATS Program for Analysis of Time Series
Programmable Automatic Test System

PAU Probe Aerodynamic Upper

PAV Pneumatic Actuated Valve
Pressure Actuated Valve

PAX Passengers

PAYCOM Payload Command
Payload Command Controller

PAYDAT Payload Data

PB Phonetically Balanced
Playback
Preburner (P/B preferred)
Pushbutton

PBAN Polybutadiene Acrylonitrile (Propellant)

PBD Payload Bay Door

PBDF Payload Bay Door FWD

PBDM Payload Bay Door Mechanism

PBI Push Button Indicator

PBIC Programmable Buffer Interface Card

PBIM Programmable Buffer Interface Module

PBK Payload Bay Kit

PBL Payload Bay Liner

PBM Power Balance Model
Program Business Management

PBP Preburner Pump

PBPS Post-Boost Propulsion System(s)

PBW Proportional Band Width

PC	Pressure Chamber
	Personal Computer
	Pitch Control
	Plane Change
	Planetary Camera
	Power Converter
	Printed Circuit (Card)
	Project Control
	Pulsating Current
PCA	Payload Clamp Assembly
	Physical Configuration Audit
	Pitch Control Assembly
	Pneumatic Control Assembly
	Point of Closest Approach
	Power Control Assembly
PCASS	Program Compliance Assurance and Status System
PCB	Power Circuit Breaker
	Power Control Box
	Printed Circuit Board
	Product Configuration Baseline
PCC	Pad Control Center
	Payload Control and Checkout
	Production Control Centers
PCCB	Program Configuration Control Board
PCCE	Particle Cloud Combustion Experiment
	Payload Common Communication Equipment
PCCM	Program Change Control Management
PCCN	Provisioning Contract Control Number
PCCP	Preliminary Contract Change Proposal
PCD	Procurement Control Document
PCDA	Process Control and Data Acquisition
PCDU	Payload Command Decoder Unit
PCEM	Propulsion Contamination Effects Module
PCF	Payload Control Facility
PCG	Phonocardiogram
	Protein Crystal Growth
PCGE	Protein Crystal Growth Experiment
PCH	Program Critical Hardware
PCI	Peripheral Controller Interface
	Procedure Change Unit
	Production Configuration Identification
	Program Control Input
PCIL	Pilot-Controlled Instrument Landing
PCIN	Program Change Identification Number
	Program Change Incorporation Notice
	Program Change Integration
PCL	Pallet Coolant Loop
	Power Control List
	Primary Coolant Line
	Primary Coolant Loop
	Programming Check List
PCM	Power Control Mission
	Pulse Code Modulation
	Pulse Code Modulator
	Punch Card Machine
PCMD	Pulse-Code Modulation, Digital
PCME	Pulse-Code Modulation Event
PCMMU	PCM Master Unit
	Pulse-Code Modulation Master Units
PCMS	Pulse-Code Modulation Shared
PCN	Page Change Notice
	Program Change Notice
	Program Control Number
PCO	Postcheckout
	Postcheckout Operations
	Procuring Contracting Officer
	Program Controlled Output
PCOT	Payload Center Operations Team

PCP Power Control Panel
Program Change Proposal
Project Change Proposal
Project Cost Plan

PCR Payload Certification Review
Payload Changeout Room
Payload Checkout Room
Power Change Request
Program Change Request
Project Control Room
Publication Change Request

PCRB Program Change Review Board (RI Launch Operations)

PCS Payload Checkout System
Payload Control Supervisor
Pointing Control System
Power Conversion System
Pressure Control System
Primary Coolant System
Procedure Completion Sheet

PCT Percent

PCTC Payload Crew Training Complex

PCTE Portable Commercial Test Equipment

PCTO Payload Cost Tradeoff Optimization

PCU Payload Checkout Unit
Power Control Unit
Pressure Control Unit
Process Control Unit

PCV Precheck Verification
Purge Control Valve

PCVB Pyro Continuity Verification Box

PCVL Pilot Controlled Visual Landing

PCZ Physical Control Zone

PD Pitch Down
Preliminary Design
Procurement Document
Procurement Drawing
Program Development
Program Directive
Project Directive
Propellant Dispersal

PD&RS Payload Deployment and Retrieval Subsystem

PDA Power Distribution Assembly
Preliminary Design Audit
Propellant Drain Area

PDAR Program Description and Requirements

PDB Performance Data Book
Power Distribution Box
Project Data Base

PDC Predefined Command
Procurement Document Change

PDCR Proprietary Data Control Record

PDCS Power Distribution and Control System (Subsystem)

PDH Pocket Dosimeter–High

PDI Payload Data Interleaver
Payload Deployment and Retrieval System

PDIP Program Development Integration Plan

PDL Pocket Dosimeter–Low
Procedure Distribution List
Program Design Language

PDM Processor Data Monitor
Pulse Duration Modulation

PDM/FM Pulse Duration Modulation/Frequency Modulation

PDMR Program Director's Management Review

PDP Plasma Diagnostics Package
Postinsertion Deorbit Preparation
Postinsertion Deorbit Prep Checklist
Preliminary Definition Plan
Procurement Data Package
Program Development Plan
Project Definition Phase

PDR Preliminary Data Requirements
Preliminary Design Review
Process Description Report
Processed Data Recorder
Program Design Review
Program Director's Review

PDRD Procurement Data Requirements Document
Program Definition and Requirements Document

PDRL Procurement Data Requirements List

PDRM Payload Deployment and Retrieval Mechanism

PDRS Payload Data and Retrieval System
Payload Deployment and Retrieval System(s)

PDRSS Payload Development and Retrieval System Simulator

PDRSTA Payload Deployment and Retrieval System Test Article

PDS Package Data System
Partitioned Data Set
Power Distribution System (Subsystem)
Problem Data System

PDU Performance Diagnostic Unit
Pilot Display Unit
Power Drive Unit
Pressure Distribution Unit
Pulse Detection Unit

PDV Pressure Disconnect Valve

PE Perkin Elmer
Project Engineer

PEAP Personal Egress Air Packs

PEB Performance Evaluation Board

PED Payload Element Developer
Pedal
Pedestal
Platform Equipment Deck

PEFO Payload Effects Follow-on Study

PEIR Project Equipment Inspection Record

PEL Precision Elastic Limit

PEM Plant Engineering and Maintenance

PEN Penicillin

PEP Power Extension Package

PER Perigee
Period
Preliminary Engineering Report

PERD Payload Element Requirements Document

PERF Perform, Performance

PERM Permanent

PERT Program Evaluation Review Technique

PES Post Ejection Sequencer

PET Phase Elapsed Time

PETA Performance Evaluation and Trend Analysis

PETB Preflight Test Bus

PETN Petaerythrite Tetranitrate

PETS Payload Environmental Transportation System
P/L Experiment Test System (KSC)
POCC Experiments Timeline System (GDSD and Spacelab)

PF	Parachute Facility
	Payload Forward
	Payload Function
	Payload Operational Instrumentation MDM–FWD
	Power Factor
	Powered Flight
	Preflight
	Prime Function
	Probability of Failure
	Pulse Frequency
PFA	Palmdale Final Assembly
PFB	Payload Feedback
	Payload Forward Bus
	Position Feedback
	Pressure Fed Booster
PFC	Performance Flight Certification
	Postflight Checkout
	Power Factor Corrector
	Preflight Certification
	Preliminary Flight Certification
PFCF	Payload Flight Control Facility
PFCS	Primary Flight Control System
PFK	Payload Function Key
PFL	Primary Freon Loop
PFM	Platform
	Pulse Frequency Modulation
PFP	Program Financial Plan
	Programmable Functional Panel
PFR	Portable Foot Restraint
PFRT	Preliminary Flight Rating Test
PFRX	Preflight Relmat (X-1,2,3...9 or A,B,C...Z)
PFS	Percent Full Scale
	Primary Flight System
PFTA	Payload Flight Test Article
PG	Power Generation
	Pressure Gauge
PGA	Power Generating Assembly
	Pressure Garment Assembly
	Programmable Gain Amplifier
PGC	Plant Growth (unit)
	Plant Growth Chamber
PGCP	Particles and Gases Contamination Panel
PGDCS	Power Generation, Distribution, and Control Subsystem
PGE	Purge
PGHM	Payload Ground Handling Mechanism
PGM	Program(able)
PGNCS	Primary G&N and Control System (Subsystem)
PGOR	Payload Ground Operation Requirements
PGORS	Payload Ground Operations Requirements Study
PGOWG	Payload Ground Operations Working Group
PGR	Spacelab Planning and Ground Rule
PGRWG	Payload Ground Requirements Working Group
PGS	Power Generation Subsystem
PGSE	Payload Ground Support Equipment
PGSM	Payload Gimbal Separation Mechanism
PGU	Plant Growth Unit
PGWG	Particles and Gasses Working Group
PH	Personal Hygiene
	Phase
pH	Hydrogen-Ion Concentration (Alkalinity)
PHA	Preliminary Hazard Analyses
	Pulse Height Analyzer

PHCF Pituitary Growth Hormone Cell Function

PHF Personal Hygiene Facility
Payload Handling Fixture

PHK Personal Hygiene Kit

PHM Per Hundred Million

PHMC Probe Heater Motor Controller

PHOTO Photograph
Photography of Mexico

PHOTONS Photometric Thermospheric Oxygen Nightglow Study

PHP Payload Handling Panel

PHR Payload Hazardous Report

PHS Payload Handling Station

PHS&T Packaging, Handling, Storage, and Transportation

PHSF Payload Hazardous Servicing Facility (KSC)

PI Payload Interrogator
Pen and Ink (Document Update)
Preliminary Investigation
Principal Investigator
Procurement Item
Program Introduction

PIA Preinstallation Acceptance
Project Impact Analysis
Project Initiation Agreement

PIAR Project Impact Analysis Report

PIB Pyrotechnic Installation Building

PIC Payload Integration Center
Payload Integration Committee
Preinstallation Checkout
Programmable Interval Clock
Pyro Ignition Control
Pyro Initiator Capacitors
Pyro Initiator Controller
Pyrotechnic Initiator Controller

PICA Pyrotechnic Initiator Control Assembly

PICP Program Interface Control Plan

PICRS Program Information Control and Retrieval System
Program Information Coordination and Review Service

PICS Photo Index and Cataloging System
Predefined Input Control Sequence

PID Parameter Identification
Payload Insertion Device
Program Information Document
Program Introduction Document

PIDA Payload Installation and Deployment Aid

PIDS Portable Image Display System

PIE P/L Integration Equipment

PIECP Preliminary Impact Engineering Change Proposal

PIF Payload Integration Facility

PIGA Pendulous Integrating Gyro Accelerometer

PII Procurement Instrument Identification

PIIN Procurement Instrument Identification Number

PIM Pulse Interval Modulation

PIND Particle Impact Noise Detection
Payload Integration Plan

PIO Pilot-Induced Oscillation
Public Information Office

PIP Payload Integration Plan
Payload Interface Plan
Plant Instrumentation Program
Production Instrumentation Package
Professional Intern Program
Project Implementation Plan

PIPA Pulse Integrating Pendulum Accelerometers
Pulse Integrating Pendulum Assembly

PIRN Preliminary Interface Revision Notice

PIT Preinstallation Test

PITG Payload Integration Task Group

PITS Payload Integration Test Set

PIU Power Interface Unit
Pyrotechnic Initiator Unit

PIV Peak Inverse Voltage

PK Peak (Valve)
Prozesskamer (Spacelab D-1 Experiment)

PK/PK Peak to Peak

PKD Programmable Keyboard and Display

PKG Package

PKM Perigee Kick Motor

PKT Pocket

PL Payload (P/L preferred)
Plate
Plug
Postlanding (P/L preferred)
Prelaunch

PL/SNSR Payload Sensor

PLA Parachute Location Aid

PLACE Position Location Aircraft Communications Equipment

PLAST Propellant Loading All Systems Test

PLAT Platform

PLB Payload Bay

PLBD Payload Bay Door(s)

PLBK Playback (PB preferred)

PLC Preliminary Loads Cycle
Pressurized Logistics Carrier

PLD Program Listing Document

PLDI Payload Data Interleaver

PLDM Payload Management

PLDS Payload Support

PLGSS Payload Ground Support Systems

PLH Payload Handling

PLI Payload Interrogator

PLISN Provisioning List Item Sequence Number

PLL Phase Locked Loop

PLM Payload Mangement
Payload Monitoring

PLMS Program Logistics Master Schedule

PLN Plan
Program Logic Network

PLRD Payload Requirements Document

PLRV Payload Launch Readiness Verification

PLS Payload Systems
Post Landing and Safing
Preliminary Landing Site
Primary Landing Site
Propellant Loading System
Pulse

PLSL Propellants and Life Support Laboratory

PLSP Payload Signal Processor

PLSS Portable Life Support Subsystem
Primary Life Support Subsystem

PLT Pilot
Production Lead Time

PLTS Precision Laser Tracking System

PLUM Payload Umbilical Mast

PLV Postlanding Vent

PLVC Postlanding Vent Control

PM Payload Management
Payload Midbody
Performance Monitor
Phase Modulation
Polymer Morphology
Pressurized Module
Preventive Maintenance
Primary Mirror
Project Manager
Pulse Modulation

PMA Performance Monitor Annunciator

PMAC Personnel Management Advisory Committee

PMAD Performance Monitor Annunciation Driver
Power Management and Distribution

PMAP Performance Monitor Annunciation Panel

PMAT Page Map Address Table

PMBT Propellant Mean Bulk Temperature

PMC Payload Monitoring and Control
Permanently Manned Capability
Plutona-Molybdenum Cermet
Postmanufacturing Checkout
Private Medical Communication
Procurement Method Code

PMD Palmdale (TACAN Station)
Profile Measurement Device

PMDL Palmdale, CA

PMEL Precision Measurements Equipment Laboratory

PMF Performance Monitor (Monitoring) Function
Perigee Motor Firing
Program Management Facility

PMG Plasma Motor Generator

PMHL Preferred Measurement Hardware List

PMI Preventive Maintenance Inspection
Preventive Maintenance Instruction
Principal Maintenance Inspector

PMIA Parallel Multiplexer Interface Adapter

PMIC Payload Mission Integration Contract

PMIR Program Manager's Integration Review

PMIS Personnel Management Information System

PML Preliminary Materials List

PMM Property Management Manual

PMN Program Management Network

PMOM Performance Management Operations Manual

PMON Performance Management Operations Network

PMP Parts, Materials, and Processes
Payload Mounting Panels
Performance Management Package
Premodulation Processor
Program Management Plan
Pump

PMPL Preferred Mechanical Parts List

PMR Performance Measurement Report
Program Manager's Review

PMS Packet Memory System
Performance Mangement System
Performance Measurement System
Performance Monitoring System
Personnel Management Specialist
Platform Management System
Project Management System

PMT Photomultiplier Tube
Planning/Management Team
Production Monitoring Test

PMTC Pacific Missile Test Center

PMU	PCM Master Unit
	Pressure Measuring Unit
	Pulse Modulation Unit
PMVE	Primary Mirror Vortex Fixture
PN	Past Number (P/N preferred)
	Pseudo Noise
	Pseudorandom Noise
PNEU	Pneumatic
PNL	Panel
PNP	Prenegotiation Position
PO	Personnel Office (KSC Directorate)
	Postorbit
	Purchase Order
POA	Plan of Action
POC	Payload Operations Center
	Purchase Order Closeout
POCC	Payload Operations Control Center
POCN	Purchase Order Change Notice
POD	Payload Operations Director
	Payload Operations Division (JSC)
	Probability of Detection
	Proximity Optical Device
POE	Pilot Operational Equipment
POF	Pinhole Occulter Facility
POGO	Pogo Suppression System
	Polar Orbiting Geophysical Observatory
POI	Product of Inertia
POL	Petroleum, Oil, and Lubricants
POLAR	International Solar Terrestrial Physics Program
	Production Order Location and Reporting
POM	Pallet-Only Mode
	Printer Output Microfilm
POMT	Planning Operations Management Team
POP	Perpendicular-to-Orbit Plane
	Polar Orbiting Platform
	Preburner Oxidizer Pump
	Preflight Operations Procedures
	Prelaunch Operations Plan
	Program Operating Plan
POPA	Payload Ordnance Processing Area
POPU	Push Over Pull Up
POR	Purchase Order Request
PORB	Production Operations Review Board
PORCN	Production Order Records Change Notice
PORD	Performance and Operations Requirements Document
PORR	Preliminary Operations Requirements Review
PORT	Portable
POS	Pacific Ocean Ship
	Portable Oxygen System
	Position
POSA	Passive Optical Sample Assembly
POST	Payload Operations Support Team
	Positive
	Program to Optimize Simulated Trajectories
POT	Potable
	Potentiometer
POV	Peak Operating Voltage
	Pneumatic Operated Valve
POWG	Payload Operations Working Group
POWS	Project Operating Work Statement
PP	Partial Pressure
	Planning Package
	Power Pole
	Program Performance
	Push-Pull

PPB	Parts per Billion (p/b preferred)
	Program Performance Baseline
PPC	Phased Provisioning Code
	Preprocessing Center
$PPCO_2$	Partial Pressure CO_2
PPE	Phase Partitioning Experiment
PPEP	Plasma Physics and Environmental Perturbation
PPF	Payload Processing Facility (USAF)
PPH	Pounds Per Hour (lb/h preferred)
PPI	Plan Position Indicator
	Pulse Position Indicator
PPIL	Priced Provisioned Item List
PPL	Planning Parts List
	Priced Parts List
	Provisioning Parts List
PPM	Part Per Minute
	Parts Per Million (p/m preferred)
	Prime Period of Maintenance
	Pulse Per Minute
	Pulse Position Modulation
PPME	Pacific Plate Motion Experiment
PPO_2	Partial Pressure O_2
PPP	Peak Pulse Power
	Programmable Power Processor
PPR	Payload Preparation Room
PPS	Peripheral Processing System
	Pneumatic Power Subsystem
	Printer/Plotter System
	Provisioning Performance Schedule
	Pulse Per Second
PQGS	Propellant Quantity Gauging System
PQI	Propellant Quantity Indicator
PR	Pair
	Payload Recorder
	Performance Report
	Position Record
	Pressure
	Pressure Ratio
	Pressure Regulator
	Primary
	Problem Report
	Procurement Regulation
	Procurement Requisition
	Pulse Rate
	Purchase Request
PRACA	Problem Reporting and Corrective Action
PRB	Panel Review Board
	Parachute Refurbishment Building
	Paso Robles (TACAN Station)
	Project Review Board
PRC	People's Republic of China (Payload)
	People's Republic of China Satellite
	Planning Research Corporation
PRCA	Problem Reporting and Corrective Action
PRCB	Program Requirements Change Board
	Program Requirements Control Board
	Program Review Control Board
PRCBD	Program Requirements Control Board Directive
	Program Review Control Board Directive
PRCS	Primary Reaction Control System
PRD	Payload Retention Device
	Personal Radiation Dosimeter
	Procurement Regulation Directive
	Procurement Requirements Document
	Program Requirements Documents (UDS)
	Project Requirement Document
PRE	Personal Rescue Enclosure
PRE-MOD	Premodulation

PREAMP Preamplifier
PREF Preference
PREFLT Preflight
PREL Preliminary
PREP Preparation
Prepare
PRES Present
PRESS Pressurant
Pressure
PREV Previous
PREVLV Prevalve
PRF Parachute Refurbishment Facility
Pulse Repetition Frequency
PRI Primary
PRI-PL Primary Payload
PRIM Primary
PRL Page Revision Log
Priority Rate Limiting
PRM Payload Retention Mechanism
Pocket Radiation Monitor
Posigrade Rocket Motor
Pulse Rate Modulation
PRN Program Release Notice
Pseudorandom Noise
Pulse Range Navigation
PRO Proceed
PROB Problem
PROC Procedure
Processor, Process
Procurement
PROG Program
Progress
PROJ Project
PROM Programmable Read-Only Memory
PROP Propellant
Proportioning
Propulsion
Propulsion Engineer
PROPLT Propellant
PROX Proximity
PRP Personnel Reliability Program
PRPS Programming Requirements Process Specification
PRR Parts Replacement Request
Preliminary Requirements Review
Program Requirements Review
Pulse Repetition Rate
PRS Payload Retention Subsystem
Personnel Rescue Service
Personnel Rescue System
Power Reactant System (Subsystem)
Precision Ranging System
Primary Recovery Site
Primary Rescue Site
Provisioning Requirements Statement
PRSD Power Reactant Storage and Distribution
Power Reactant Supply and Distribution
PRSDS Power Reactant Storage and Distribution System
PRSS Problem Report Squawk Sheet
PRT Pulse Repetition Time
PRTLS Powered Return to Launch Site
PRU Power Regulator Unit
PRV Pressure Reduction Valve
PS Parachute Subsystem
Payload Specialist
Payload Station
Payload Support
Power Supply
Pressure Switch
Prime Select
PS/FC Power Supply/Fuel Cell

PSA Payload Service Area
Payload Support Avionics
Power Servo Amplifier
Power Servo Assembly
Pre/Post Sleep Activity
Preferred Storage Area
Pressure Switch Assembly
Provisions Stowage Assembly

PSAC Presidential Scientific Advisory Committee

PSC Parallel Switch Control
Platform Support Center
Program Schedule Chart
Program Support Contractor

PSCL Propellant Systems Cleaning Laboratory

PSCN Preliminary Specification Change Notice
Program Support Communications Network

PSD Power Spectral Density
Program Support Document

PSDP Payload Station Distribution Panel

PSDR Planning and Scheduling Document Record

PSE Payload Service Equipment
Payload Servicing Equipment
Payload Support Equipment
Peculiar Support Equipment
Physiological Systems Experiment

PSF Payload Servicing Fixture
Point Spread Function
Processing and Staging Facility (SRB)
Processing and Storage Facility (ET)

psf Pounds Per Square Foot (lb/ft^2 preferred)

PSFC Power Supply/Fuel Cell

PSG Power Subsystem Group

PSI Power Static Inverter

psi Pounds Per Square Inch (Static Pressure) (lb/in^2 preferred)

psia Pounds Per Square Inch Absolute

psid Pounds Per Square Inch Differential

PSIG Propulsion Systems Integration Group

psig Pounds Per Square Inch Gauge

psis Pounds Per Square Inch Sealed

PSK Phase Shift Keyed

PSL Perpendicular to the Sun Line
Pressure Seal
Propellant Seal

PSM Phase Sensitive Modulator
Propellant Storage Module
Pyro Substitute Monitor

PSN Purge Sequence Number

PSOP Payload Systems Operating Procedures

PSP Payload Signal Processor
Payload Specialist Panel
Payload Support Plan
Program Support Plan
Project Schedule Plan

PSPA Pressure Static Probe Assembly

PSPL Priced Spare Parts List

PSR Pre-Shipment Review
Program Status Review

PSRD Program Support Requirements Document

PSS Pad Safety Supervisor
Payload Specialist Station
Payload Support System
Propellant Supply Subsystem
Propulsion Support System

PSSA Payload Support Structural Assembly

PSSP Payload Specialist Station Panel

PSST	Periodic Significant Scheduled Tasks
PSSU	Patch Survey and Switching Unit
PSTF	Payload Spin Test Facility
PSU	Power Sensor Unit
	Power Switching Unit
PSV	Planetary Space Vehicle
PSW	Program Status Word
PT	Advanced Planning and Technology Office (KSC Dir.)
	Part Time
	Pint
	Pitch Trim
	Point
	Pressure Transducer
PTA	Post-Test Analysis
	Potential Toxic Area
	Propulsion Test Article
PTB	Payload Timing Buffer
PTC	Passive Thermal Control
	Payload Training Complex
	Portable Temperature Controller
PTCR	Pad Terminal Connection Room
PTCS	Passive Thermal Control Section
	Passive Thermal Control System
	Planning, Training, and Checkout System
	Propellant Tanking Computer System
PTD	Provisioning Technical Documentation
PTDDSS	PTD Data Selection Sheet
PTF	Payload Training Facility
PTFE	Polytetrafluorethylene
PTI	Preliminary Test Information
	Pre-Programmed Test Input
	Programmed Test Input
PTIS	Program Test Input System
PTM	Pulse Time Modulation
PTMS	Precision Torque Measuring System
PTO	Participating Test Organizations
	Power Test Operations
PTP	Point-to-Point Phone(s)
	Pumped Two-Phase Mounting Plate
PTR	Preliminary Test Report
	Printer
	Program Trouble Report
PTS	Payload Test Set
	Payload Transportation System
PTT	Push-to-Talk
PTV	Pathfinder Test Vehicle
PTZ	Pan Tilt Zoom
PU	Pickup
	Power Unit
	Propellant Unit
	Propellant Utilization
PUB	Publication
PUCS	Propellant Utilization Control System
PUGS	Propellant Utilization and Gauging System
PUPO	Pull Up Push Over
PUSS	Pallet Utility Support Structure
PUV	Propellant Utilization Valve
PV	Prevalve
PV&D	Purge, Vent, and Drain
PVA	Preburner Valve Actuator
	Propellant Valve Actuator
PVD	Purge, Vent, Drain System
PVR	Precision Voltage Reference
PVRD	Purge, Vent, Repressurize, and Drain
PVRO	Pyrotechnics
PVT	Physical Vapor Transport
	Preflight Verification Test
	Pressure, Volume, and Temperature
	Pressure/Volume/Temperature
	Private
	Pyrotechnic Verification Test

PVTOS	Physical Vapor Transport of Organic Solids
PVWA	Planned Value of Work Accomplished
PVWS	Planned Value of Work Scheduled
PW	Pulse Width
PWA	Pratt and Whitney Aircraft
	Private Write Area
	Product Work Authorization
PWB	Printed Wire Board
PWBS	Program Work Breakdown Structure
PWM	Pulse-Width Modulation
PWMD	Printed Wiring Master Drawing
PWR	Power
PWS	Pricing Work Statement
PY	Program Year
PYRO	Pyrotechnics

Q

Q	Dynamic Pressure
	Pitch Rate (Angular Rate)
Q Alpha	Pitch Dynamic Pressure
Q Beta	Yaw Dynamic Pressure
Q-BAND	36,000 to 46,000 MCS
QA	Quality Assurance
QAC	Quality Assurance Chart
QACAD	Quality Assurance Corrective Action Document
QAM	Quality Assurance Manual
QAP	Quality Assurance Procedure
QAPP	Quality Assurance Program Plan
QAR	Quality Assurance Responsible/ Witness
QATT	Qualification for Acceptance Thermal Testing
QAVT	Qualification Acceptance Vibration Test
	Qualification for Acceptance Vibration Testing
QC	Quality Control
QCB	Queue Control Block
QCDR	Quality Control Deficiency Report
QCOP	Quality Control Operating Procedure
QD	Quick Disconnect
QD'S	Quick Disconnects
QDR	Qualification Design Review
QDS	Quality Data System
QE	Quality Engineer
QEC	Quick Engine Change
QF	Quality Factor
QGS	Quantity Gauging System
QINMS	Quadruple Ion Neutral Mass Spectrometer
QL	Quick Look
QLDR	Quick Look Data Reference
QLDS	Quick Look Data Station
QLS	Quick Look Station
QM	Qualification Model
	Qualification Motor
QPL	Qualified Parts List
	Qualified Products List
QPR	Quarterly Progress Report
QPRD	Quality Planning Requirements Document
QPS	Quality Planning Specification
	Quantity Planning Specification
QPSK	Quadrature Phase Shift Key
QRE	Quick-Reaction Estimate
QRI	Quick-Reaction Integration
QRIA	Quick-Reaction Integration Activity
QRS	Quick-Reaction Sortie
QRSL	Quick-Reaction Space Laboratory
QSA	Qualification Site Approval
QSGVT	Quarter Scale Ground Vibration Test
QSI	Quality Step Increase
QSL	Qualified Source List
QSM	Quarter Scale Model
QSMVT	Quarter Scale Model Vibration Testing
QSS	Quindar Scanning System
QT	Qualification Test
QTP	Qualification Test Plan
QTR	Qualification Test Report
	Quarter
QTRS	Quarters
QTY	Quantity
QUAD	Quadrangle, Quadrant, Quadrature
QUADS	Quality Achievement Data System
QUAL	Qualification, Qualified
	Quality
QUAT	Quaternion

QUELD	Queens University Experiment in Liquid Metal Diffusion
QUI	Quito, Ecuador (STDN)
QUIC	Quality Data Information and Control
QUP	Quality Unit Pack
QVT	Qualified Verification Testing
QVVT	Qualified Verification Vibration Testing

R

R	Gas Constant
	Radius
	Range
	Range Rate
	Rankine
	Ratio
	Rear
	Receive
	Redundant
	Regulate
	Rehydratable
	Reliability
	Replace
	Resistance
	Right
	Roentgen
	Roll
	Yaw Rankine Rate
R BAR	Radius Vector Axis
R DOT	Range Rate to Target (+) Opening, (-) Closing
R IMP	Minimum Range to Avoid Plum Impingement
R&CC	Recorder and Communication Control
R&D	Research and Development
R&DO	Research and Development Operations (MSFC)
R&M	Reliability and Maintainability
R&P	Reserve and Process
R&PM	Research and Program Management
R&QA	Reliability and Quality Assurance
R&R	Remove and Replace
	Rendezvous and Recovery
R&Z	Range and Zero
R-OUT	Rollout
R-T	Resistance Test
R/A	Radar Altimeter
R/C	Radio Comand
	Rate of Climb
	Remote Control
R/D	Rate of Descent
R/E	Reentry
R/I	Receiving Inspection
R/L	Rate/Limited
	Remote/Local
R/IM	Refrigerator/Incubator Module
R/O	Rollout
R/S	Range Safety
	Redundant Set
R/T	Real Time
	Receiver/Transmitter
R/W	Read/Write
	Runway
RA	Radar Altimeter (R/A preferred)
	Range Area
	Right Aft
	Right Ascension
Ra	Radium
RAAB	Remote Amplifier and Adaption Box
	Remote Application and Advisory Box
RAC	Reliability Action Center
RACS	Remote Automatic Calibration System
	Rotation Axis Coordinate System
RACU	Remote Acquisition and Command Unit
RAD	Radar
	Radian
	Radiation Dosage
	Radiator
	Radius
	Roentgen Absorbed Dosage
RADAR	Radio Detecting and Ranging

RADCC Radiation Control Center
RAE Radio Astronomy Explorer
RAF Requirements Analysis Form
RAG Reusable Agenda
RAHF Research Animal Holding Facility
RAI Radar Altimeter Indicator
Roll Attitude Indicator
RAL Responsibility Assignment List
RALPH Reduction and Acquisition of Lunar Pulse Heights
RALT Radar Altimeter
RAM Radar Absorption Material
Random Access Memory
Research and Applications Module
Responsibility Assignment Matrix
RAMA Recap and Movement Authorization
RANC Radar Absorption Noise and Clutter
RANN Research Applied to National Needs
RAP Resources Authority Plan
RAPCON Radar Approach and Control
RAPS Right AFT Propulsion System
RAS Requirements Allocation Sheet
RASSF Robotics Assembly and Servicing Simulation Facility
RATCC Radar Air Traffic Control Center
RAU Remote Acquisition Unit
RAUIS Remote Acquisition Unit Interconnecting Station
RAX Remote Access Computing System
Remote Access Terminal
RB Radar Beacon
RBA Radar Beacon Antenna
RBC Red Blood Cells
Rotating Beam Ceilometer
RBDE Radar Bright Display Equipment
RBE Radiation Biological Effectiveness
RBK Right Bank
RBL Right Buttock Line
RBMT Retrospective Bibliographies on Magnetic Tape
RBN Radio Beacon
RC Range Command
Rate Command
Recovery Controller
Recurring Cost
Resistance-Capacitance
Reverse Current
Rotation Control
RCA Radio Corporation of America (SATCOM)
Relay Control Assembly
Remote Control Amplifier
RCAG Remote Center Air-Ground
Remote Control Air-Ground
RCB Remote Circuit Breaker
RCC Range Commanders Council (DOD)
Range Control Center
Reinforced Carbon-Carbon
Reusable Carbon-Carbon
Rough Combustion Cutoff
RCCA Rough Combustion Cutoff Assembly
RCCB Remote Control Circuit Breaker
RCCP Recorder and Communications Control Panel
RCD Record
RCDP Record Parallel
RCDR Recorder
RCE Reaction Control Equipment
RCHCS Regenerable CO_2 and Humidity Control System
RCN Requirements Change Notice
RCP Radiation Constraints Panel
Right Circular Polarization
Right Circular Polarizer

RCPT Receipt
Receptacle
RCR Retrofit Configuration Record
RCS Rate Control System
Reaction Control System (Subsystem)
RCS C Reaction Control Subsystem Controller
RCU Remote Control Unit
RCV Receive
RCVR Receiver
RCVS Remote Control Video Switch
RCVY Recovery
RCY Recovery
Remaining Cycles
RD Radiation Detection
Reference Designator
Requirements Document
Round
RD/SB Rudder Speed Brake
RDA Remote Data Access
Resident Data Area
RDC Reference Designator Code
Request for Document Change
RDCS Reconfiguration Data Collection System
RDD Requirements Definition Document
RDF Radio Direction Finder
Resource Data File
RDM Real-Time Data Manager
RDMTR Radiometer
RDOC Reference Designation Overflow Code
RDOUT Readout
RDP Receiver and Data Processor
Requirements Data Plan
Requirements Development Plan
RDR Raw Data Recorder
Rudder
RDS Rocketdyne Digital Simulator
RDT&E Research, Development, Test, and Evaluation
RDTR Radiator
RDU Remote Decoder Unit
RDW Response Data Word
Return Data Words
RDX Cyclotrimethylenetrinitramine
RDY Ready
RE Responsible Engineer
RE&T Research Engineering and Test
REAC Reactant
REACQ Reacquisition
REC Receive
Record (RCD preferred)
RECERT Recertification
RECHG Recharge
RECIP Reciprocate
RECOG Recognition
RECON Remote Control
RECONFIG Reconfiguration
RECONN Reconnaisance
RECOV Recovery
RECP Receptable
Request for Engineering Change Proposal
RECRC Recirculate
RECS Representative Shuttle Environmental Control System
RECT Rectifier, Rectify
RECV Receive
RECVR Receiver
RED Reduction
REDUN Redundancy
REED Rocket Exhaust Effluent Diffusion
REEDA Rocket Exhaust Effluent Diffusion Analysis

REF Reference
Refurbish, Refurbishment
REFRIG Refrigerate
REFSMMAT
Reference Stable Member Matrix
REFURB Refurbish
REG Register
Regulator, Regulate
REGEN Regenerate
REI Range From Entry Interface (400 k)
Runway End Identification
REI-M REI-Mollite
REIL Runway End Identification Lights
REINF Reinforce
REINIT Reinitialize
REJ Reject
REL Relative
Release
RELMAT Relative Matrix
REM Release-Engage Mechanism
Release Engine Mechanism
Release Engine Module
Release Escape Mechanism
Remove
Rocket Engine Module
Roentgen Equivalent Man
REN RAD Rendezvous Radar
REND Rendezvous
REPGROW Effects of Spatial Environment on the Reproduction and Growth of Bacteria
REPL Replace
REPR Repressurization
REPRO Reproduction
REQ Request
Require
REQD Required
REQMTS Requirements (RQMTS preferred)
RES Reserve
Reservoir
RESID Residual
RESIS Resistance
RESP Responsibility
RESVR Reservoir
RET Retract
RETEN Retention
RETRO Retro Controller (NASA)
Retrofire
Retrofire Officer
RETRV Retrieve
RETS Reconfigurable Electrical Test Stand
Reconfiguration Electrical Test Stand
REV Reverse
Review
Revision
Revolution
RF Communications Support
Radio Frequency
Right Forward
RF-TK Radio Frequency Tracking
RFA Request for Action
RF Authorization (Frequency)
RFB Ready for Baseline
Request for Bid
RFC Radio Frequency Charts
Request for Change
Request for Change Revolution
RFCP Request for Computer Program
RFD Requirements Formulation Document
RFE Request for Estimate
RFEI Request for Engineering Information
RFI Radio Frequency Interference
Remote Facility Inquiry
Remote File Inquiry
Request for Information

RFL Reflect

RFM Reconfigurable Furnace Module

RFO Request for Order

RFP Request for Proposal
Requirements and Formulation Phase

RFPA Request for Proposal Authorization

RFQ Request for Quotation

RFT Ready for Training

RFW Request for Waiver (Deviation)

RG Radio Guide
Rate Gyro

RGA Rate Gyro Assembly
Residual Gas Analyzer

RGAL Rate Gyro Assembly—Left SRB

RGAO Rate Gyro Assembly—Orbiter

RGAR Rate Gyro Assembly—Right SRB

RGM Redundant Gyro Monitor

RGP Rate Gyro Package

RGRMA Rate Gyro Redundancy Management Algorithm

RH Relative Humidity
Right Hand

RHC Right Hand Circular
Rotation Hand Controller

RHCM Relative Humidity Control/Monitor

RHCP Right Hand Circular Polarization (Polarized)

RHEB Right Hand Equipment Bay

RHEO Rheostat

RHFEB Right Hand Forward Equipment Bay

RHL Residual Hazards List

RHM Relative Humidity Monitor

RHP Right Hand Panel

RHS Right Hand Side
Rocketdyne Hybrid Simulator

RHSC Right Hand Side Console

RHT Radiant Heat Temperature

RHU Radioisotope Heater Unit

RHW Router Header Word

RI Rockwell International

RIB Recoverable Item Breakdown
Right Inboard

RIC Resistance Inductance and Capacitance
Rockwell International Corporation

RICC Remote Intercomputer Communications Interface

RID Reaction Injection Molded
Review Item Disposition

RIDI Receiving Inspection Detail Instruction

RIE Right Inboard Elevon

RIF Relative Importance Factor

RIG Rate Integration Gyro

RIGI Receiving Inspection General Instruction

RIL Recoverable Item(s) List(s)
Repairable Item List
Reparable Item List

RIM Reaction Injection Molded

RIMS Retarding Ion Mass Spectrometer

RIPS Radar Impact Prediction System

RIR Reportable Item Report

RIS Reporting Identification Symbols

RISA Rapid Imaging Spectrophotometric Array

RISKAC Risk Acceptance

RIT Request for Interface Tool

RIU Remote Interface Unit

RIV Recirculation Isolation Valve

RJ/EC Reaction Jet/Engine Control

RJC Reaction Jet Control

RJD Reaction Jet Device
Reaction Jet Driver

RJDA Reaction Jet Driver Aft

RJDF Reaction Jet Driver Forward

RJEC	Reaction Jet Engine Control
RJOD	Reaction Jet OMS Driver
RK	Recharge
RKD	Rocketdyne
RLA	Repair Level Analysis
	Repair Line Agreement
RLC	Remote Load Controller
RLCD	Redline Cutoff Device
RLEO	Request Liaison Engineering Order
RLF	Relief
RLG	Ring Laser Gyro
RLO	Rack Level Outgassing
RLSS	Regenerative Life Support System
RLT	Return Line Tether
RLY	Relay
RM	Redundancy Management
	Reference Mission
	Remote Manipulator
	Rendezvous Maneuver
	Rescue Module
	Right Mid
RM/MS&C	Redundancy Management/Moding, Sequencing, and Control
RMA	Remote Manipulator Arm
RMC	Redundancy Management Control
RMCD	Radiation Monitoring Container Dosimeter
RME	Radiation Monitoring Equipment
RMF	RCS Module Forward
RMG	Right Main Gear
RMI	Radio Magnetic Indicator
RMO	Resident Manager's Office
RMRS	Repeatable Maintenance and Recall System
RMS	Radian Means Per Second
	Random Motion Simulator
	Redundancy Management System
	Remote Manipulator System (Subsystem)
	Root-Mean-Square
RMSVP	Remote Manipulator Subsystem Verification Plan
RMT	Remote
RN	Reynolds Number
RNDZ	Rendezvous
RNG	Range
RNG RT	Range Rate
RO	Radar Operator
	Readout
	Receive Only
	Recovery Operations
ROB	Right Outboard
ROC	Record of Comments
	Regional Operations Center
	Request of Change
ROD	Remote Operated Door(s)
RODB	Remote Object Data Base
ROLL	Roll Angle
ROM	Read-Only Memory
	Rough Order of Magnitude
ROPE	Research on Orbital Plasma Electrodynamics
ROS	Regulated Oxygen Supply
	Regulated Oxygen System
	Removable Overhead Structure
	Rosman, North Carolina (STDN Site)
ROSAT	Roentgensatellite
ROT	Remaining Operating Time
	Rota, Spain
	Rotate, Rotation
ROTI	Recording Optical Tracking Instrument
RP	Relative Pressure
	Repair Period
	Rocket Propellant

RPA	Record and Playback Assembly
	Request for Procurement Action (Authorization)
	Retarding Potential Analyzer
RPC	Remote Power Controller
RPDP	Recoverable Plasma Diagnostics Package
RPE	Reliability Project Engineer
RPIE	Real Property Installed Equipment
RPL	Rated Power Level
RPLC	Replace
RPM	Revolutions Per Minute (r/min preferred)
RPO	Radiation Protection Officer
RPOC	Remote Payload Operations Center
RPP	Reinforced Pyrolytic Plastic
RPS	Record and Playback System (Subsystem)
	Revolutions Per Second (r/s preferred)
RPT	Resident Provisioning Team
	Rudder Pedal Transducer
RPTA	Rudder Pedal Transducer Assembly
RPU	Remote Power Unit
RPV	Remotely Piloted Vehicle
RQ	Respiratory Quotient
RQMT	Requirement
RQMTS	Requirements
RR	Range Rate
	Rendezvous Radar
	Requirements Review
	Respiration Rate
RRA	Resident Research Associate Program
RREA	Rendezvous Radar Electronics Assembly
RREU	Rendezvous Radar Electronics Unit
RRI	Rendezvous Radar Indicator
RRL	Rudder Reference Line
RRP	Rudder Reference Plane
RRT	Rendezvous Radar Transducer
	Rendezvous Radar Transponder
RS	Rawinsonde
	Redundancy Status
	Redundant Set
	Refurbishment Spare
	Remote Station
	Right Side
RSA	Redstone Arsenal
	Reference Satellite A
RS&H	Reynolds, Smith, & Hills, Inc.
RS&S	Receiving, Shipping, and Storage
RSB	Rudder Speed Brake
RSC	Range Safety Control/Command
RSCIE	Remote Station Communication Interface Equipment
RSD	Range Safety Distributor
	Requirements and Specifications Document
RSDP	Remote Site Data Processor
RSE	Rotational Support Equipment
RSF	Receiving-Safing Facility
	Refurbishment and Subassembly Facilities
RSI	Reusable Surface Insulation
RSIC	Redstone Scientific Information Center
RSL	Resource Support List
RSLV	Resolve
RSM	Resume
RSMM	Redundant System Monitor Model
RSO	Radiological Safety Office
	Range Safety Officer
RSP	Rendezvous Station Panel
RSPL	Recommended Spare Parts List
RSRM	Redesigned Solid Rocket Motor

RSS Range Safety Switch
Range Safety System
Reactants Supply System
Rib Structure Station
Robotic Servicer System
Root Sum Square
Rotating Service Structure

RSSPO Resident Space Shuttle Project Office (Officer)

RST Recessed Selectromatic Terminal

RSTCV Reusable Space Transportation Cargo Vehicle

RSTRT Restart

RSU Rate Sensing Unit
Remote Service Unit

RSVR Reservoir

RSYS Responsible System

RT Range-to-Target
Rate
Real Time (R/T preferred)
Receiver-Transmitter
Reference Trajectory
Right
Rotation Discrete Rate

RTA Real-Time Accumulator

RTAC Research and Technology Advisory Committee

RTB Resistance Temperature Bulb

RTC Real-Time Clock
Real-Time Command
Real-Time Computer
Room Temperature Cure

RTCC Real-Time Command Controller
Real-Time Computer Center (NASA)
Real-Time Computer Command (Uplink)
Real-Time Computer Complex

RTCE Rotation/Translation Control Electronics

RTCL Reticle

RTCP Real-Time Communications Processor

RTCS Real-Time Computer System

RTD Rate Damping
Real-Time Display
Resistance Temperature Device

RTDS Real-Time Data System

RTE Responsible Test Engineer

RTG Radioisotope Thermal Generation
Radioisotope Thermoelectric Generator—GALILEO
Range (Slant) to Ground

RTGS Radioisotope Thermoelectric

RTHC Rotation-Translation Hand Controller

RTHS Real-Time Hybrid System

RTIF Real-Time Interface

RTL Ready to Launch

RTLS Return to Launch Site

RTN Return

RTO Responsible Test Organization

RTOP Research and Technology Objectives and Plans

RTPA Reaction-Time Perception Analyzer

RTR Rotor

RTS Real-Time Supply
Remote Tracking Station

RTSF Real-Time Simulation Facility

RTTV Real-Time Television

RTU Remote Terminal Unit

RTV Room-Temperature Vulcanized

RU Remote Unit

RUD Rudder

RUPT Interrupt
Rupture

RUR Reference Update Review
Requirements Update Review

RUT Resource Utilization Time

RV Recirculation Valve
Recovery Vehicle
Recovery Vessel
Reentry Vehicle
Relief Valve
Retrieval Vessel

RVCF Remote Vehicle Checkout Facility

RVDT Rotary Variable Differential Transducer
Rotary Variable Differential Transformer

RVN Requirements Verification Network

RVR Runway Visible (or Visual) Range

RVS Reverse

RW Reaction Wheel
Response Word

RWA Reaction Wheel Assembly

RWD Right Wing Down

RWM Read/Write Memory

RYD Real Year Dollars

RZ Return-to-Zero

S

(S)	Safe (Task Classification)
S	Second
	Side
	Star
	Stere
s	Second (Astronomical Tables)
S CHG	Supercharge
S PRES	Star Present
S TRK	Star Tracker
S&A	Safe and Arm (Device)
	Science and Application
S&AD	Science and Applications Directorate
S&E	Science and Engineering (MSFC Directorate)
S&MA	Safety and Mission Assurance
S-BD	S-Band
S-Band	1,550 to 5,200 MHz
S-MOWG	"Super" Management Operations Working Group
S-N	Stress Number
S/A	Safe and Arm
	Scheduled/Actual
	Site Activation
	Spacecraft Adapter
	Subassembly
S/AC	Stabilization/Attitude Control
S/B	Standby
S/C	Sensor/Controller
	Signal Conditioner
	Software Contractor
	Spacecraft
	Splitter/Combiner
	Stabilization and Control
	Stripchart (Recorder)
	Subcontractor
S/EOS	Standard Earth Observation Satellite
S/F	Safety Factor
	Single Flow
S/G	Strain Gauge
S/L	Shop/Laboratory
S/M	Scheduled Maintenance
	Service/Maintenance
	Structural/Mechanical
S/N	Serial Number
	Signal-to-Noise Ratio
S/O	Shutoff
	Switchover
S/P	Serial to Parallel
	Signal Processor
S/R	Send and Receive
	Shift Register
	Stimulus/Response
S/S	Samples Per Second
	Single Sideband
	Space Shuttle
	Subsystem
S/Sys	Subsystem
S/U	Set Up
S/V	Space Vehicle
	Supply Valve
S/W	Software
SA	Safing Area
	Shaft Angle
	Single Access
	Site Activation
	Solar Array
	Subaccount
	Supplemental Agreement
	Support Area
SAA	Safety Assurance Analysis
	South Atlantic Anomaly
SAAC	Schedule Allocation and Control

SAAL Single Axis Acoustic Levitator

SAALC San Antonio Air Logistics Center

SAAM Special Air Force Airlift Mission

SAAMA San Antonio Air Material Area

SAAS Shuttle Aerosurface Actuator Simulation

SAB Shuttle Avionics Breadboard
Spacecraft Assembly Building
Storage and Assembly Building

SAC Shuttle Action Center (HOSC)
Strategic Air Command (USAF)
Support Action Center

SACS Software Avionics Command Support
Systems Software Avionics Command Support

SAD Shuttle Authorized Document
Spacecraft Attitude Display
Systems Allocation Document

SADA Solar Array Drive Assembly

SADE Solar Array Drive Electronics
Structural Assembly Demonstration Experiment

SADEC Spin Axis Declination

SADM Solar Array Drive Mechanism

SAE Society of Automotive Engineers
Solar Array Experiment

SAEF Spacecraft Assembly and Encapsulation Facility

SAES Stand-Alone Engine Simulator

SAFD Systems Anomaly and Failure Detection

SAFE San Andreas Fault Experiment
Solar Array Flight Experiment

SAGE-II Stratospheric Aerosol Gas Experiment

SAIL Shuttle Avionics Integration Laboratory

SAL Scientific Airlock
Shuttle Avionics Laboratory

SALC Sacramento Air Logistics Center

SAM Shuttle Attachment Manipulator
System Activation and Monitoring
Shuttle Activation Monitor

SAMP Shuttle Automated Mass Properties

SAMS Shuttle Attachment Manipulator System
Space Acceleration Measurement System

SAMSAT Solar Activity Monitoring Satellite

SAMSO Space and Missile Systems Organization (USAF)

SAMSOR SAMSO Regulation (now SDR)

SAMSS Space Assembly Maintenance and Servicing Study

SAMTEC Space and Missile Test Center (VAFB, CA)

SAMTECM Space and Missile Test Center Manual

SAMTO Space and Missile Test Organization (VAFB)

SANC Spacelab Ancillary Data Tape

SAND Site Activation Need Date

SAO Smithsonian Astrophysical Observatory

SAP Strain Arrestor Plate

SAR Safety Analysis Report
Search and Rescue
Summary Analysis Report
Synthetic Aperture Radar

SARC Science Archive Research Center

SAREX Shuttle Amateur Radio Experiment

SARIMS Swept Angle Retarding Ion Mass Spectrometer

SARP	Safety Analysis Report for Packaging
	Shuttle Astronaut Recruitment Program
SARR	Small and Rapid Response
SART	Stimuli Analog Refresh Table
SAS	Small Astronomy Satellite
	Solar Array System
	Space Adaptation Syndrome
	Stability Augmentation Subsystem
	Stability Augmented System
SASE	Shuttle Atmospheric Science Experiment
SASP	Science and Applications Space Platform
SASTP	Stand-Alone Self-Test Program
SAT	Saturate, Saturated
	Systems Approach to Training
SATAF	Shuttle Activation Task Force
SATCOM	Satellite Communications
SATO	Shuttle Attached Teleoperator
	Space Adaptation Tests and Observation
	Supply and Transportation Operations
SATS	Shuttle Avionics Test System
	Small Applications Technology Satellite
SAU	Signal Acquisition Unit
	Strap Around Unit
SAVER	Shuttle Avionics Verification and Evaluation
SAWD	Solid Amine Water Desorbed
SB	Space Base
	Speed Brake
	Synchronization Base
	Synchronization Bit
SBA	Seat Back Assembly
	Small Business Administration
	Structure Borne Acoustic
SBAS	S-Band Antenna Switch
SBC	Speed Brake Command
SBCR	Stock Balance and Consumption Report
SBD	Schematic Block Diagram
SBE	Sub-Bit Encoder
SBHC	Speed Brake Hand Controller
SBIR	Small Business Innovative Research
SBP	San Luis Obispo (TACAN Station)
	Sonic Boom Panel
SBS	Satellite Business System
SBSA	Swedish Board for Space Activities
SBTC	Speed Brake/Thrust Controller
SBU	Strategic Business Units
SBX	S-Band Transponder
SC	Scale
	Service Charge
	Shipping Container
	Signal Conditioner (S/C preferred)
	Statement of Capability
	Statement of Compatibility
	Subsystem (System) Computer
	Support Contractor
	Surface Command
SC&CU	Signal Conditioning and Control Unit
SCA	Schedule Change Authorization
	Sequence Control Assembly
	Shuttle Carrier Aircraft
	Simulation Control Area
	Sneak Circuit Analysis
	Stellar Camera Array
SCAMMA	Station Conferencing and Monitoring Arrangement

SCAN Antenna Scan
Selected Current Aerospace Notices
Shuttle Connector Analysis Network

SCAPE Self-Contained Atmospheric Protective Ensemble

SCARAB Submersible Cable Assistant Repair and Burial

SCARS Serialized Control and Record System
Serialized Control and Reporting System
Sneak Circuit Analysis Report Summary

SCAS Subsystem Computer Application Software

SCAT Space Communication and Tracking
Storage, Checkout, and Transport

SCATHA Spacecraft Charging at High Altitudes

SCATS Simulation Control and Training System

SCB Schedule Change Board
Selection Control Board
Selector Control Box
Software Control Board
Specification Control Board

SCBD Seller's Approved Configuration Baseline Document

SCC Safety Control Center
Simulation Control Center
Slidell Computer Complex
Standard Cubic Centimeters

SCCB Site Configuration Control Board

SCCF Solar Cell Calibration Facility

SCCH Standard Cubic Centimeters Per Hour

SCCM Standard Cubic Centimeters Per Minute

SCCS Signal Conditioning and Control System

Standard Cubic Centimeters Per Second

SCD Source Control Document
Source Control Drawing
Specification Control Document,
Specification Control Drawing

SCDA Safing, Cooldown, and Decontamination Area
Software Critical Design Audit

SCDP Simulation Control Data Package

SCDR Seller Critical Design Review
Shuttle Critical Design Review
Software Critical Design Review
Subcontractor Critical Design Review

SCDU Signal Conditioning and Display Unit

SCE Signal Conditioning Equipment

SCEA Signal Conditioning Electronics Assembly

SCF Safing and Deservicing Facility
Satellite Control Facility
Sequenced Compatibility Firing
Spacecraft Control Facility
Standard Charge Factor
Standard Cubic Feet
Statistical Collection File
Sunnyvale Control Facility

SCFH Standard Cubic Feet Per Hour

SCFM Standard Cubic Feet Per Minute

SCFS Standard Cubic Feet Per Second

SCGSS Super Critical Gas Storage System

SCHED Scheduled, Scheduling

SCHEM Schematics

SCI Switch Closure In

SCIM Standard Cubic Inches Per Minute

SCIS Standard Cubic Inches Per Second

SCIT Standard Change Integration and Tracking

SCIU	Selector Control Interface Unit
	Space Interface Unit
SCL	Secondary Coolant Line
	Secondary Coolant Loop
	Specification Change Log
SCLM	Stability, Control, and Load Maneuvers
SCM	Site Configuration Message
	Subsystem Configuration Management
	Subsystem Configuration Monitoring
	System Control Module
SCMB	Development Configuration Management Board
SCMP	System Contractor Management Plan
SCN	Specification Change Notice
SCNP	Preliminary Specification Change Notice
SCNR	Scanner
SCO	Start Checkout
	Subcarrier Oscillator
	Super Critical Oxygen
	Switch Closure Out
SCOE	Special Checkout Equipment
SCOPE	Science Calibration and Onboard Performance Evaluator
SCOS	Subsystem Computer Operating System
SCP	Scanner Control Power
	Specific Candle Power
SCR	Schedule Change Request
	Sneak Circuit Report
	Software Change Request
	Stripchart Recorders
SCRG	System Change Review Group (MSFC)
SCRL	Station Configuration Requirement List
SCRS	Stripchart Recording System
SCS	Secondary Coolant System
	Spacecraft Control System
	Stabilization and Control System (Subsystem)
	System Configuration Switch
SCT	Scanning Telescope
SCU	Secondary Control Unit
	Sequence Control Unit
	System Control Unit
	Service and Cooling Umbilical
	Signal Conditioning Unit
	Signal Control Unit
SD	Scaling and Display
	Smoke Detector
	Solar Dynamic
	Space Division (AFSC)
	Space Division (Rockwell)
	Spare Disposition
	Specification Document
	Subscale Demonstrator
	Supplier Documentation
SD/FS	Smoke Detector/Fire Suppression
SD/YVV	SD/Launch Base Division
SDA	Shaft Drive Axis
	Source Data Automation
SDAF	Solid Rocket Booster Disassembly Facility
SDB	Shallow Draft Barge
	Shallow Draft Board
SDC	Software Development Computer
	Spares Disposition Code
SDCL	Supplier Documentation Checklist
SDCP	Summary Development Cost Plan
SDCS	SAIL Data Communications System
SDCV	Shuttle Derived Cargo Vehicle

SDD	Shuttle Design Directive
	Software Description Document
	Software Design Document
	System Design Document
SDE	Space Division Evaluator
SDF	Safing and Deservicing Facility
	Single Degree of Freedom
	Software Development Facility
	System Development Facility (Breadboard)
SDG	Supplier Documentation Group
SDH	Software Development Handbook
	System Definition Handbook
	System Development Handbook
SDI	Selective Dissemination of Information
SDIF	Software Development and Integration Facility
SDL	Software Development Laboratory
	Standard Distribution List
SDM	Secondary Deployment Mechanism
	Shuttle Data Management
	Subsystem Design Manuals
	System Definition Manual
SDMU	Serial Data Management Unit
SDN	Software Development Note
SDP	Shuttle Data Processor
	Site Data Processor
	Software Development Plan
	Supplier Data Package
SDPC	Shuttle Data Processing Complex
SDPF	Sensor Data Processing Facility
SDR	Software Design Requirements
	Software Design Review
	Space Division Regulation
	Spacelab Disposition Record (ESA)
	Subcontract Data Requirement
	System Design Review
SDRB	Software Design Review Board
	Supplier Documentation Review Board
	System Design Review Board
SDRD	Supplier Data Requirements Description
	Supplier Documentation Review Data
SDRL	Subcontract Data Requirements List
	Supplier Data Requirements List
SDS	Shuttle Dynamic Simulation (Simulator)
	Sensor Display System
	Software Design Specification
	Steering Damping System
SDSS	Space Division Shuttle Simulator
SDT	Scaling and Display Task
	Shuttle Data Tape
	Structural Dynamic Test
SDTA	Structural Dynamic Test Article
SDV	Shuttle Derived Vehicle
SDVF	Software Development and Verification Facilities
SE	Support Equipment
	Student Experiment
	System Element
	Systems Engineering
SE&I	Systems Engineering and Integration
SE/FAC	Support Equipment/Facility
SEA	Scanning Electrostatic Analysis
	Sensor Electronics Assembly
	Silicon Elastimeter Ablator
SEACF	Support Equipment Assembly and Checkout Facility
SEADS	Shuttle Entry Air Data Sensor
	Shuttle Entry Air Data System (Subsystem)
SEAID	Support Equipment Abbreviated Items Description

SEAPG Support Equipment Acquisition Planning Group

SEARCHS Shuttle Engineering Approach/Rollout Control Hybrid Simulation

SEB Scientific Equipment Bay
Source Evaluation Board
Support Equipment Building
Systems Engineering Branch

SEC Secondary
Sequential Events Controller
Source Evaluation Committee

sec Second (s preferred)

SECO Sustainer Engine Cutoff

SECS Shuttle Events Control Subsystem

SECT Spacelab Experiment Channel Tape

SEDS Small Expendable Deployer System

SEDT Spacelab Experiment Data Tape

SEE Special Purpose End Effector
Standard End Effector

SEEDS Space-Exposed Experiment Developed for Students

SEG Segment
System Engineering Groundrule

SEI Support Equipment Installation
System Engineering Instrumentation

SEICO Support Equipment Installation and Checkout

SEII Servoactuator Error Indication Interrupt

SEL Select, Selector

SEM Sample Exchange Mechanism
Scanning Electron Microscope
Seller's Engineering Memorandum
Space Environment Monitoring
Spacecraft Equipment Module
System Engineering Management

SEMS Space Environment Monitor System

SEN Sensor

SEND Shared Equipment Need Date

SENS Sensitivity

SEO Special Engineering Order
Subtransfer Earth Orbit

SEOS Synchronous Earth Observation Satellite

SEP Separation
Source Evaluation Panel
Support Equipment Package
Support Electronics Package

SEPAC Space Experiment With Particle Accelerators

SEPAP Shuttle Electrical Power Analysis Program

SEPAR Shuttle Electrical Power Analysis Report

SEPS Solar Electric Propulsion System

SEQ Sequence, Sequencer

SER Serial

SERB Shuttle Engineering Review Board
Systems Engineering Review Board

SERS Shuttle Equipment Record System

SERV Service
Single Stage Earth Orbital Reusable Vehicle

SERVICE Space Entry Recovery Vehicle in Commercial Environments

SERVO Servomechanism

SES Senior Executive Service
Shuttle Engineering Simulation
Special Emphasis Study
Systems Engineering Simulation

SESA Special Equipment Stowage Facility

SESAC Space and Earth Sciences Advisory Committee

SESAME	Severe Environmental Storms and Mesoscale Experiment
SESC	Shuttle Events Sequential Control
SESL	Space Environmental Simulation Laboratory
SETI	Search for Extraterrestrial Intelligence
SETS	Shuttle Electrodynamic Tether System
SEUL	Support Equipment Utilization List
SF	Safe
	Safe, R and QA (R&QA), and Protective Services (KSC Directorate)
	Safety Factor
	Scale Factor
	Selection Filter
	Signaling Frequency
	Sliding Filter
	Star Field
	Static Firing
	Subcontractor Furnished
SF-SOO	KSC Safety Operations Office
SFA	Sun Finder Assembly
SFACI	Software Flight Article Configuration Inspection
SFC	Selection Filter Control
	Specific Fuel Consumption
SFCS	Survival Flight Control System
SFD	Crossfeed
SFDS	System Functional Design Specification
SFDT	Site Format Dump Tape
SFEX	Solar Flare X-Ray Polarimeter
SFFP	Summer Faculty Fellowship Program
SFHE	Superfluid Helium Experiment
SFL	Secondary Freon Loop
SFMD	Storable Fluids Management Demonstration
SFMDM	Smart FMDM
SFME	Storable Fluid Management Experiment
SFO	Space Flight Operations
SFOM	Shuttle Flight Operations Manual
SFOP	Safety Operating Procedure (KSC)
SFP	Single Failure Point
	Summary Flight Plan
SFPA	Single Failure Point Analysis
SFPPL	Short Form Provisioning Parts List
SFPS	Single Failure Point Summary
SFS	Shuttle Flight Status
SFSS	Satellite Field Service Station
	SPARTAN Flight Support Structure
SFT	Shaft
	Simulated Flight Test
	Static Firing Test
SFTA	Structural Fatigue Test Article
SFTF	Static Firing Test Facility
SFTWE	Software
SFU	Standard Firing Unit
SFW	Software
SFWE(M)	Static Feed Water Electrolysis (Module)
SG	Signal Generator
SGC	Stabilized Ground Cloud
SGG	Superconducting Gravity Gradiometer
SGGM	Superconducting Gravity Gradiometer Mission
SGL	Space Ground Link
SGLS	Space Ground Link Station
	Space Ground Link System
SGMT	Simulated Greenwich Mean Time
SGOS	Shuttle Ground Operations Simulation (Simulator)
SGP	Single Ground Point
SGS	Steep Glide Slope
SGSC	Strain Gauge Signal Conditioner

SH_2	Supercritical Hydrogen
SHA	Sidereal Hour Angle
	System Hazard Analysis
SHAG	Simplified High Accuracy Guidance (Honeywell)
SHAP	Sample Handling and Analysis Plan
SHARE	Space Station Heat Pipe Advanced Radiation (STS-29)
	Space Station Heat Pipe Advanced Radiator Element
SHARP	Summer High School Apprenticeship Research Program
SHDN	Shutdown
SHE	Supercritical Helium
SHEAL	Shuttle High Energy Astro Physics Laboratory
SHERB	Sandia Human Error Rate Bank
SHF	Super High Frequency
SHLB	Simulator Hardware Load Boxes
SHLD	Shield
SHLDR	Shoulder
SHOOT	Superfluid Helium On-Orbit Transfer
SHORAN	Short Range Navigation
SHP	Shaft Horsepower
SHRD	Shroud
	Supplemental Heat Rejection Devices
SHS	Simulation Hardware System
SHTR	Shutter
SHUTDN	Shutdown
SI	Center Support Operations (KSC Directorate)
	International Systems of Unit (ISU preferred)
	Scientific Instrument
	Solar Inertial
SIA	Shuttle Induced Atmosphere
	Software Impact Assessment
	Solar Inertial Attitude
SIAC	Safety Issue Assessment Center
SIAP	System Integrity Assurance Program
SID	Shuttle Integration Device
	Simulator Interface Devices
	Standard Interface Document
	System Interface Document
SIDT	Spacelab I/O Data Tape
SIE	Shuttle Interface Equipment
SIEM	Systems Integration Effort for MSFC
SIES	Supervision, Inspection, Engineering, and Services
SIG	Signal
	Special Investigation Groups
SIG CONDR	Signal Conditioner
SIG GEN	Signal Generator
SIL	Silver
	Sound Interference Level
	Systems Integration Laboratory
SILTS	Shuttle Infrared Leeside Temperature Sensing
SIM	Scientific Instrumentation Module
	Simulate, Simulation
SIMA	Small Incremental Motion Actuator
SIMAS	Shuttle Information Management Accountability System
SIMCOM	Simulation Complex
SIMFAC	Simulation Facility
SIMO	Simultaneously
SIMR	Systems Integration Management Review
SIMS	Shuttle Imaging Microwave System
	Shuttle Inventory Management System
SIMU	Simulated Inertial Measurement Unit
SIN	Sine
SINDA	Systems Improve Numerical Differencing Analyzer

SIO Serial Input/Output
Systems Integration Office

SIP Scientific Instrument Package
Separation Instrument Package
Standard Interface Panel
Strain Isolator Pad
Systems Integration Office

SIPE Scientific Instrument Protective Enclosure

SIPS Small Instrument Pointing System

SIR Shuttle Imaging Radar
Software Initiated Restart
System Interface Requirements
Systems Integration Review

SIR-A Shuttle Imaging Radar-A

SIR-B Shuttle Imaging Radar-B

SIRD Support Instrumentation Requirements Document

SIRR Software Integration Readiness Review

SIRTF Space Infrared Telescope Facility

SIS SAIL Interface System
Scanning Imaging Spectrometer
Serial Input Special
Shuttle Information System
Shuttle Interface Simulator
Simulator Interface System (Subsystem)
Software Implementation Specification
Software Integrated Schedule
Standard Interface Specification
Superconducting-Insulating Superconducting
Systems Integration Schedule

SISS Scientific Instrument Support Structure

SISWG STS Integrated Schedule Working Group

SIT Shuttle Integrated Test
Shuttle Interface Test
Situation
Software Integrated Test
SSV Integrated Test

SIU Signal Interface Unit

SIV Sieve

SIVE Shuttle Interface Verification Equipment

SKD Singer, Kearfott Division

SKIRT Shuttle Kinetic Infrared Test

SL Sea Level
Seal
Shelf Life
Sound Level
Spacelab

SL&I System Load and Initialization

SL-D German Spacelab

SL-J Japanese Spacelab

SL-SS Spacelab Systems

SL-SSS Spacelab Subsystem(s) Segment

SLA ERNO Spacelab Product Assurance Department
Shuttle Laser Altimeter
Super Light Ablator
Support and Logistics Areas

SLAC Stanford Linear Accelerator Center

SLAHTS Stowage List and Hardware Tracking System

SLAK Spacelab Late Access Kit

SLAM Side Load Arrest Mechanism

SLAR Side Looking Airborne Radar

SLC Shuttle Launch Complex (VAFB)
Space Launch Complex
ERNO Spacelab Project Control

SLCA ERNO Spacelab Contract Administration

SLCC	ERNO Spacelab Configuration Management
SLCL	Shop/Lab Configuration Layout
SLD	Stiff-Leg Derrick
SLDPF	Spacelab Data Processing Facility
SLE	ERNO Spacelab Engineering
SLEEC	Single Lap Extendible Exit Cone
SLEMU	Spacelab Engineering Model Unit
SLF	Shuttle Landing Facility (OLF)
SLI	ERNO Spacelab Integration and Test
SLL	Shelf Life Limit
SLM	Sound Level Meter
SLN	ERNO Spacelab Payload
SLO	ERNO Spacelab Operations
SLOS	Star Line of Sight
SLP	ERNO Spacelab Program Office
SLPB	Spacelab Program Board
SLRV	Shuttle Launched Research Vehicle
SLS	Secondary Landing Site
	Secondary Mirror
	Sortie Lab Simulator
	Spacelab Simulator
	Spacelab Life Sciences
	Statement Level Simulator
SLSA	Shuttle Logistics Support Aircraft
SLSMS	Spacelab Support Module Simulator
SLT	ERNO Spacelab Technology
SLV	Space Launch Vehicle
SM	Science Mission
	Secondary Mirror
	Short Module
	Shuttle Management (KSC)
	Soft Manual
	Stable Member
	Support Module
	Systems Management
SM&S	Systems Management and Sequencing
SM/PM	System Management/Performance Monitor
SMA	Science Monitoring Area
	Secondary Mirror Assembly
SMAB	Solid Motor Assembly Building
SMAG	Star Magnitude
SMART	Shuttle Meeting Action - Item Review Tracking
SMATV	Satellite Master Antenna Television
SMB	Space Meteorology Branch
SMC	Scientific Manpower Commission
SMCC	Shuttle Mission Control Center
SMCH	Standard Mixed Cargo Harness
SMCS	Separation Monitor and Control System
SMCU	Separation Monitoring Control Unit
SMD	Spacelab Mission Development
	Special Measuring Device
	Special Measuring Service
SMDC	Shielded Mild Detonating Cord
SME	Subject Matter Expert
SMEAR	Span/Mission Evaluation Action Request
SMES	Shuttle Mission Engineering Simulator
	Shuttle Mission Evaluation Simulation (Simulator)
	Superconduction Magnetic Energy Storage
SMG	Spaceflight Meteorology Group
SMIA	Serial Multiplexer Interface Adapter
SMIDEX	Spacelab Middeck Experiments
SMIR	Shuttle Multispectral Infrared Radiometer
SML	Structure Mold Line
SMM	Solar Maximum Mission
	Subsystem Measurement Management

SMMD	Specimen Mass Measurement Device
SMOC	Simulation Mission Operation Computer
SMP	Software Management Plan
SMPM	Structural Materials Property Manual
SMPTRB	Shuttle Main Propulsion Test Requirement Board
SMQ	Structure Module Qualification Test
SMR	Source, Maintenance, and Recoverability (Code)
SMRD	Spin Motor Rotational Detector
	Spin Motor Run Discrete
SMRM	Solar Maximum Repair Mission
SMS	Separation Mechanism Subsystem
	Shuttle Mission Simulator
	Solar Maximum Satellite
	Space Motion Sickness
	Synchronous Meteorological Satellite
SMSCC	Shuttle Mission Simulator Computer Complex System
SMSI	Standard Manned Space Flight Initiator (see NSI-I)
SMT	Selective Message Transaction
SMTAS	Shuttle Model Test and Analysis System
SMTF	Shuttle Mission Training Facility
SMU	Soft Mockup
SMVP	Shuttle Master Verification Plan
SMVRD	Shuttle Master Verification Requirements Document
SMW	Standard Materials Worksheet
SMY	Solar Maximum Year
SN	Solar Network
	Space Network
SNF	System Noise Figure
SNR	Signal-to-Noise Ratio
SNS	Station Network Simulator
SNSO	Space Nuclear Systems Office
SNSR	Sensor
SO	Station Operator
	Support Operations (KSC Dir.)
SO_2	Sulphur Dioxide
SOAR	Shuttle Orbital Applications and Requirements
SOARS	Shuttle Operation Automated Reporting System
SOATS	Support Operation Automated Training System
SOC	Simulation Operations Center
	Simulation Operation Computer
	System Operating Concept
	System Option Controller
SOCAR	Shuttle Operational Capability Assessment Report
SOCC	Satellite Operations Control Center
SOCH	Spacelab Orbiter Common Hardware
SOCRD	Science Operations Center Requirements Document
SOCS	Subsystem Operation and Checkout System
SODB	Shuttle Operational Data Book
	Start of Data Block
SODS	Shuttle Operational Data System
	Skylab Orbit-Deorbit System
SOE	Science Operations Element
	Sequence of Events
SOF	Safety of Flight
SOFI	Spray-on Foam Insulation
SOFIA	Stratospheric Observatory for Infrared Astronomy
SOFT	Space Operations and Flight Techniques
SOGS	Science Operations Ground System
SOH	Start of Heading

SOHO Solar and Heliospheric Observatory

SOIS Spacelab/Orbiter Interface Simulator

SOL Solar
Solenoid

SOLCON Solar Constant

SOLN Solution

SOLSPEC Solar Spectrum

SOM Ship Operations Manager (NASA)
Spares Optimization Model
Standard Operating Manual

SOMF Start of Minor Frame

SOMS Shuttle Orbiter Medical System

SOP Secondary Oxygen Pack
Spacelab Opportunity Payload
Standard Operating Procedure
Subsystem(s) Operating Procedure
Subsystem Operating Program
Systems Operation Plan

SOPC Shuttle Operations and Planning Center
Shuttle Operations Planning Complex

SOR Specification Operational Requirement
Stable Orbit Rendezvous

SORD Systems Operations and Requirements Document

SORPTR South Repeater

SORTIE Short Term Mission

SOS Serial Output Special
Source of Supply
Stabilized Optical Sight

SOSC Space Operations Support Center

SOSM Strap-On Solid Motor

SOT Science Operations Team
Solar Optical Telescope
Strap-on Tank

SOTS Suborbital Tank Separation

SOUP Solar Optical Universal Photo-polarimeter

SOV Shut-off Valve
Solenoid Operated Valve

SOW Start of Word
Statement of Work
Subdivision of Work

SOX Supercritical Oxygen

SP Shoulder Pitch
Shuttle Projects Office (KSC)
Signal Processor
Single Pole
Single Precision
Solar Physics
Space Platform
Spare
Spin
Standard or Peculiar
Static Pressure

SP&S Special Processes and Sequencing

SP-AF Air Force STS Liaison Office (KSC Shuttle)
Air Force Support Office (KSC)

SP-FGS Flight and Ground Systems Office (KSC Shuttle)

SP-ILS Integrated Logistics Support Office (KSC Shuttle)

SP-LMO Logistics Management Office (KSC)

SP-OPI Operations Planning and Integration Office (KSC Shuttle)

SP-OSO Off-Site Offices (KSC Shuttle)

SP-PAI Project Assessment and Integration Staff (KSC)

SP-PCO Project Control Office (KSC Shuttle)

SP-SMO Site Management Office (KSC Shuttle)

SP-PMS Performance Management Systems Office (KSC)

SPA S-Band Power Amplifier
Servo Power Amplifier
Shared Peripheral Area
Signal Processor Assembly
Small Payload Accommodations
Software Product Assurance
Solar Panel Assembly
Space Processing Application

SPACE Spacecraft Prelaunch Automatic Checkout Equipment

SPACECOM Space Communications Company

SPACEHAB Space Habitat Modules

SPAD Shuttle Payload Accommodation Document
Subsystem Positioning Aid Device

SPADS Shuttle Problem Analysis Data System
Shuttle Problem Action Data System

SPAF Simulation Processor and Formatter

SPAH Spacelab Payload Accommodations Handbook

SPAN Spacecraft Analysis

SPAR Space Project Applications Rocket

SPART Space Research and Technology

SPARTAN Shuttle Pointed Autonomous Research Tool for Astronomy

SPAS Shuttle Pallet Satellite (German)
Shuttle Payload Satellite

SPKB Speed Brake

SPC Servicing Performance Checkout System
Shipping and Packing Cost
Shuttle Processing Contractor
Starting Point Code
Stored Program Command
Synoptic Properties Code

SPCC STS Processing Control Center

SPCS Servicing Performance Checkout System

SPCU Simulation Process Control Unit

SPCW Stored Program Command Word,

SPD Speed
Standard Practice Directive

SPDA Software Preliminary Design Audit

SPDB Subsystem Power Distribution Box

SPDBK Speed Brake

SPDCI Standard Payload Display and Control Interface

SPDM Special Purpose Dextrous Manipulator

SPDR Software Preliminary Design Review

SPE Solid Polymer Electrolysis
Space Physiology Experiment
Static Phase Error

SPEAM-2 Sun Photometer Earth Atmosphere Measurements-2

SPEC Specialist Function
Specification

SPECT Spectrometer

SPEE Special Purpose End Effector

SPF Single Point Failure
Software Production Facility
Spacelab Processing Facility

SPFA Single Point Failure Analysis

SPFP Single Point Failure Potential

SPG Signal Point Ground
Single Point Ground

SPHER Spherical

SPI Surface Position Indicator

SPIAP Shuttle/Payload Integration Activities Plan

SPICE Spacelab Payload Integration and Coordination in Europe

SPIDF Support Planning Identification File

SPIDPO Shuttle Payload Integration and Development Program Office (JSC)

SPIF Standard Payload Interface Facility
Shuttle Payload Integration Facility
Shuttle/POCC Interface Facility Function

SPII Shuttle Program Implementation Instruction

SPIKE Science Planning Interactive Knowledge Environment

SPIMS Shuttle Program Information Management System

SPIP Solid Propulsion Integrity Program

SPKR Speaker

SPL Scratch Pad Line
Serialized Parts List
Sound Pressure Level
Solar Plasma Laboratory
System Programming Language

SPL-1 Space Plasma Lab-1

SPLX Simplex

SPLY Supply

SPM Subsystem Project Manager

SPMD Shuttle Projects Manager's Directive

SPMS Special Purpose Manipulator System

SPN Shutttle Project Notice (KSC)

SPND Suspend

SPO Shuttle Projects Office
Spare Parts Order
System Program Office

SPOC Shuttle Payload Operations Contractor
Shuttle Payloads of Opportunity Carrier
Shuttle Portable On-Board Computer

SPOM STS Planning and Operations Management

SPP Simulation Planning Panel
Solar Physics Payload

SPPIL Shuttle Preferred Pyrotechnic Items List

SPPL Spare Parts Provisioning List

SPPP Spacelab Payloads Processing Project

SPR Software Problem Report
Subcontractor Performance Review

SPRAG STS Payloads Requirements and Analysis Group

SPRD Single Pallet Rotation Device

SPRT Sequential Probability Ratio Test

SPS Samples Per Second
Secondary Propulsion System
Service Propulsion Subsystem
Shuttle Procedures Simulator
Solar Power Satellite
Spacelab Pallet System
Statement of Prior Submission

SPSS Science Planning and Scheduling System

SPT Support

SPTB Space Performance Test Battery

SPTD Supplemental Provisioning Technical Documentation

SPU Spun Bypass Unit

SPVPF Shuttle Payload Vertical Processing Facility

sq ft Square Feet (ft^2 preferred)

SQL Squelch

SQUID Superconducting Quantum Interference Device

SQW Square Wave

SR	Scan Ratio
	Shift Register
	Standard Repair
	Statement of Requirements
	Status Register
	Status Report
	Status Review
	Sunrise
	Support Request
	Support Room
SR&Q	Safety, Reliability, and Quality
SR&QA	Safety, Reliability, and Quality Assurance
SRA	Spin Reference Axis
	Support Requirements Analysis
SRAD	Space Radiation Assembly Demonstration
SRAG	Space Radiation Analysis Group
SRB	Solid Rocket Booster
SRBAB	SRB Assembly Building
SRBDF	SRB Disassembly Facility
SRBPF	SRB Processing Facility
SRC	Sample Return Container
SRCB	Software Requirements Change Board
	Software Requirements Control Board
SRCBD	Software Requirements Change Board Directive
	Software Requirements Control Board Directive
SRCH	Search
SRD	Shuttle Requirements Definition
	Shuttle Requirements Document
	Systems Requirements Document
SRDH	Subsystems Requirement Defintion Handbook
	System Requirements Definition Handbook
SRE	STDN Ranging Equipment
SRF	Shuttle Refurbishment Facility
SRH	Subsystems Requirements Handbook
SRL	Space Radar Laboratory
SRM&QA	Safety, Reliability, Maintainability, and Quality Assurance
SRM	Solid Rocket Motor
	Specification Requirements Manual
	Standard Reference Material
SRMC	Stimulus/Response Measurements Catalog
SRN	Software Release Notice
SRO	Supervisor Range Operations
SRPA	Spherical Retarding Potential Analyzer
SRR	Shuttle Requirements Review
	Site Readiness Review
	Software Requirements Review
	System Requirements Review
SRS	Simulated Remote Station
	Software Requirements Specification
	Specification Revision Sheet
	Support Requirements System
SRSF	SRB Receiving and Subassembly Facility
	SRB Refurbishment and Subassembly Facility
SRSR	Schedule and Resources Status Report
SRSS	Shuttle Range Safety System
SRT	Shuttle Requirements Traceability
	Special Rated Thrust
	Specification Requirements Table
	Station Readiness Test
	Supporting Research and Technology
SRU	Shop Replacement Unit
	Shop-Replaceable Unit
	Space Replaceable Unit
SRVL	Survival

SS	Shuttle System
	Single Sideband
	Single String
	Space Shuttle
	Space Station
	Station Set
	Subsystem
	Sunset
	System Software
	System Specification
	System Summary
SS&A	Space Systems and Applications
SSA	S-Band Single Access
	Shuttle Simulation Aircraft
	Space Suit Assembly
SSA I/O	GCOS Program Element Name
SSAT	Shuttle Service and Access Tower
	Space Shuttle Access Tower (now FSS)
	Space Station Airlock Trainer
SSB	Single Sideband
	Source Selection Board
SSBC	Summary Sheet Bar Chart
SSBUV	Shuttle Solar Backscatter Ultraviolet Instrument
SSC	Scanning Shadow Camera
	Shuttle System Contractor
	Single-Stage Command
	Solid-Solution Cermet
	Stennis Space Center
	Subsystem Computer
	Subsystem Sequence Controller
SSCA	Surface Sampler Control Assembly
SSCC	Support Services Control Center
	Space Station Control Center
SSCE	Solid Surface Combustion Experiment
SSCHS	Space Shuttle Cargo Handling System
SSCL	Shuttle System Commonality List
SSCP	Small Self-Contained Payloads
SSCSP	Space Shuttle Crew Safety Panel
SSD	Spacecraft Software Division
	System Summary Display
SSDD	Software System Design Document
SSDH	Subsystem Data Handbook
SSDS	Space Station Data System
SSE	Small Science Experiment
	Space Shuttle Engines
	Subsystem Element
	Subsystem Support Equipment
SSEOS	Space Shuttle Engineering and Operations Support
SSF	SRB Storage Facility
SSFA	Space Station Furnace Facility
S.S. *Freedom*	Space Station *Freedom*
SSFGSS	Space Shuttle Flight and Ground System Specification
SSFILSS	Space Station *Freedom* Integrated Logistics Support System
SSFL	Santa Susana Field Laboratory
SSFMB	Space Station *Freedom* Manned Base
SSFP	Space Station *Freedom* Program
SSFS	Space Shuttle Functional Simulator
SSHB	Station Set Handbook
SSHPF	Space Station Hazardous Processing Facility
SSI	Significant Structural Item
SSIBD	Shuttle System Interface Block Diagram
SSID	Shuttle Stowage Installation Drawing
SSIP	Shuttle Student Involvement Project
	Systems Software Interface Processing
SSIS	Space Station Information System
SSITP	Shuttle System Integrated Test Plan
SSL	System Software Loader

SSM Sample Support Module
Spacecraft Systems Monitor
Subsystem Manager
Support System Module
Systems Support Module

SSMB Space Shuttle Maintenance Baseline

SSME Space Shuttle Main Engine

SSMEC Space Shuttle Main Engine Controller

SSMECA Space Shuttle Main Engine Controller Assembly
SSME Controller Assembly

SSO Safety Signification Operation
Source Selection Official
Space Shuttle Orbiter
Subsystem Operation (in Spacelab)
Support System for OEX

SSOP Space Systems Operating Procedure(s)

SSP Small Sortie Payload
Space Shuttle Program
Standard Switch Panel

SSPC Spacelab Stored Program Command

SSPD Shuttle System Payload Data
Shuttle System Payload Definition (Study)
Shuttle System Payload Description

SSPDA Space Shuttle Payload Data Activity

SSPDB Subsystem Power Distribution Box

SSPDS Space Shuttle Payload Data Study

SSPF Space Station Processing Facility

SSPGSE Space Shuttle Program Ground Support Equipment

SSPM Space Shuttle Program Manager

SSPO Space Shuttle Program Office

SSPP System Safety Program Plan

SSPPSG Space Shuttle Payload Planning Steering Group

SSPRO Space Shuttle Program Resident Office

SSPS Space Shuttle Program Schedule

SSPTF Santa Susana Propulsion Test Facility (see SSFL)

SSR Shop Support Request
Staff Support Room
Station Set Requirement
System Requirements Review

SSRD Station Set Requirements Documents

SSRMS Space Station Remote Manipulator System

SSRN System Software Reference Number

SSRR Station Set Requirements Review

SSS Sound Suppression System
Space Shuttle System
Stage Separation Subsystem
Station Set Specification
Subsystem Segment

SSSS Space Shuttle System Specification

SST Single System Trainer
Spacecraft Systems Test
Structural Static Test
Subsystem Terminal on Spacelab

SSTC Space Shuttle Test Conductor

SSTF Space Station Training Facility

SSTG Space Shuttle Task Group

SSTO Single Stage to Orbit

SSU Space Station Utilization Office

SSUS Spinning Solid Upper Stage

SSUS-A SSUS for Atlas-Centaur Class Spacecraft

SSUS-D SSUS for Delta Class Spacecraft

SSUSP Spinning Solid Upper Stage Project

SSV Space Shuttle Vehicle

ST Self Test
Sequential Timer
Simplification Task
Space Telescope
Spacelab Technology
Special Tooling
Star Tracker
Starter
Static
Structural

ST-ECF Space Telescope European Coordinating Facility

STA Shuttle Training Aircraft
Static Test Article
Station
Structural Test Article

STAB Stabilize, Stabilizer

STAC Shuttle Task Activation Contractor

STADAC Station Data Acquisition and Control

STADAN Satellite Tracking and Data Acquisition Network
Space Tracking and Data Acquisition Network

STADN Space Tracking and Acquisition Network

STADU System Termination and Display Unit

STAG Shuttle Turnaround Analysis Group

STAR Scientific and Technical Report
Shuttle Turnaround Analysis Report

STARR Schedule, Technical, and Resources Report

STAS Space Transportation Architecture Studies

STAT Statistics
Status

STBD Starboard

STBE Space Transportation Booster Engine

STBY Standby

STC Satellite Test Center
Spacecraft Test Conductor
Standard Test Configuration
Systems Test Complex

STCP Short-Term Cost Plan

STD Shuttle Test Director
Standard

STDCE Surface Tension Driven Convection Experiment

STDCF Space Telescope Data Capture Facility

STDL Standard Distribution List (letter denoting which list follows)

STDN Space Tracking and Data Network
Spaceflight Tracking and Data Network

STDY Steady

STE Special Test Equipment
System Test Engineer

STEP Space Technology Experiments Platform

STEX Sensor Technology Experiment

STF Spin Test Facility (see DSTF)
Structural Fatigue Test

STG Stage

STICS Suprathermal Ion Composition Spectrometer

STIL Software Test and Integration Laboratory

STIRD SAIL Test Implementation Requirements Document

STL Space Technology Laboratories

STLOS Star Line of Sight

STM Signal Termination Module
Static Test Model
Support Test Manager

STME Space Transportation Main Engine

STN Software Trouble Note

STO	Solar Terrestrial Observatory
	Stow
STOCC	Space Telescope Operations Control Center
STORE	Shuttle Test of Relativity Experiments
STP	Self-Test Program
	Shuttle Technology Panel
	Space Technology Payload
	Space Test Program
	Subsystem Test Plan
STP-1	Space Test Payload-1
STPH	Static Phase Error
STR	Structure
	System Test Review
STRB	Strobe
STRCH	Stretch
STRFLD	Star Field
STRG	Steering
	String
STRL	Structural
STRUC	Structure
STRUCT	Structure
STS	Shuttle Test Station
	Space Transportation System
	Structural Transition Section
STSci	Space Telescope Science Institute
STSG	Shuttle Test Group
STSOPO	Shuttle Transportation Systems Operations Program Office (JSC)
STSR	System Test Summary Report
STT	Spacelab Transfer Tunnel
STU	Shuttle Test Unit
	Special Test Unit
	Star Tracker Unit
STV	Space Transfer Vehicle
SU	Support Unit
SUB	Substitute
SUBJ	Subject
SUM	Summary
SUMC	Space Ultrareliable Modular Computer
SUMM	Summary
SUMS	Shuttle Upper-Atmosphere Mass Spectrometer
SUP	Supply
	Support
SUPCRIT	Supercritical
SUPPR	Suppression
SUPSALV	Supervisor of Salvage (U.S. Navy)
SUPT	Support
SUPV	Supervisor
SURE	Shuttle Users Review and Evaluation
	Space Ultraviolet Radiation Environment
SURF	Space Ultravacuum Research Facility
	Surface
SURS	Standard Umbilical Retraction System
SUSIM	Solar Ultraviolet Spectral Irradiance Monitor
SUTAGS	Shuttle Uplink Text and Graphics Scanner
SV	Safety Valve
	Solenoid Valve
	Shuttle Vehicle
	Space Vehicle
	Stator Vector
SVA&C	Shuttle Vehicle Assembly and Checkout
SVAB	Shuttle Vehicle Assembly Building
SVAC	Shuttle Vehicle Assembly and Checkout (Facility)
SVAFB	South Vandenberg Air Force Base
SVB	Shuttle Vehicle Booster
	Space Vehicle Booster
SVC	Supervisor Call

SVDS	Space Vehicle Dynamic Simulator
SVM	Sensor Verification Mechanism
SVO	Space Vehicle Operations (KSC Dir.)
SVRR	Software Verification Readiness Review
SVS	Space Vision System
	Suit Ventilation System
SW	Sea Water
	Short Wave
	Software (SFTWE preferred)
	Solar Wing
	Status Word
	Switcher (Switch)
SW/PM	System Management/Performance Monitor
SWA	Support Work Authorization
SWAA	Spacelab Window Adapter Assembly
SWAD	Subdivision of Work Authorization Document
SWAT	Stress Wave Analysis Technique
SWG	Software Working Group
SWICS	Solar-Wind Ion-Composition Spectrometer
SWOB	Salaries, Wages, Overhead, and Benefits
SWP	Safe Working Pressure
SWR	Standing Wave Ratio
SWS	Switch Scan
SWT	Supersonic Wind Tunnel
	Sextant
SXT	Sextant
SY	Shoulder Yaw
	System
SYM	Symbol
SYMM	Symmetrical
SYN	Synchronous
	Synthetic
SYNC	Synchronize
SYNCOM	Hughes Spin Stabilized Spacecraft
	Synchronous Communication Satellite (Hughes)
SYS	System
SYSTRAN	Systems Analysis Translator

T

T	Talk/Monitor
	Temperature
	Test
	Thermostabilized
	Throttle Command
	Time (liftoff)
	Top
	Total Temperature
	Transformation (Matrix), Transpose (Matrix Superscript)
	Temperature Rate
T&C	Telemetry and Command
T&CD	Timing and Countdown
T&CP	Test and Checkout Procedure
T&D	Transportation and Docking
T&E	Test and Evaluation
T&M	Time and Materials
T&O	Test and Operations
T+	Time Postintegration
T-	Time Prior to Launch
T-0	Time Zero
T-O	Takeoff
T.B.	Toggle Buffer
T.P.	Transition Period
T/A	Turnaround
T/C	Telecommunications
	Temperature Compensating
	Termination Check
	Thrust Chamber
T/CAP	Thermal Capacitor
T/D	Time Delay
	Touchdown
T/E	Transporter/Erector
T/L	Talk and Listen
	Timeline
	Transformer Load
T/O	Takeover
T/R	Tape Recorder
	Technical Report
	Transformer Rectifier
	Transportation Request
	Transmit/Receive
	Transmitter/Receiver
	Transportation Request
	Turnaround Requirements
T/T	Terminal Timing
	Timing/Telemetry
T/TCA	Thrust/Translation Control Assembly
T/V	Thermal Vacuum
T/W	Thrust Weight
	Thrust-to-Weight
TA	Task Analysis
	Test Article
	Time Actual
	Travel Authorization
	Trunnion Angle
TAA	Technical Assistance Agreement
	Temporary Access Authorization
TAC	Kennedy Space Center Landing Site, Florida (STDN Site)
	Tactical Air Command
	Total Average Cost
TAC/RA	TACAN Radar Altimeter
TACAN	Tactical Air Command and Navigation System
	Tactical Air Navigation
TACH	Tachometer
TACO	Test and Checkout Operations
TAD	Temperature and Dewpoint
TAEM	Terminal Area Energy Management
TAG	Technical Air-to-Ground

TAGS	Text and Graphics System
TAIR	Test Assembly Inspection Record
TAL	Transatlantic Abort Landing
	Transoceanic Abort Landing
TALAR	Tactical Approach and Landing Radar
TAM	Thermal Analytical Model
TAN	Tananarive, Madagascar (STDN Site)
TAO	Trans-Atlantic Abort
TAP	Technical Achievement Plan
	Telemetry Acceptance Pattern
	Test Administration Plan
	Total Air Pressure
TAPS	Two-Axis Pointing System
TAR	Technical Analysis Request
	Test Action Requirement
	Test Agency Report
TARC	Through Axis Rotational Control
TAS	Telemetry Antenna Subsystem
	Test Article Specification
	Tether Applications in Space
	True Airspeed
TASPR	Technical and Schedule Performance Report
TAT	Technical Acceptance Team
	Total Air Temperature
	Turnaround Time
TATI	Total Air Temperature Indicator
TAU	Thousand Astronomical Units
TB	Talk Back
	Terminal Base
	Terminal Board
	Time Base
	Time Duration of Burn
	Toggle Buffer
TBA	To Be Added
	To Be Assigned
	To Be Announced
TBC	Terminal Buffer Controller
TBD	To Be Defined
	To Be Determined
	To Be Developed
TBE	To Be Evaluated
TBF	Test de Bon Fonctionnement (Spacelab)
TBI	Through-Bulkhead Initiator
TBN	To Be Negotiated
TBP	To Be Provided
TBS	Task Breakdown Structure
	To Be Specified
	To Be Superseded
	To Be Supplied
TC	Telecommunications
	Temperature Compensating
	Test Conductor (Contractor)
	Test Conductor (Controller)
	Thermal Control
	Thermocouple
	Thiokol Corporation
	Thrust Chamber
	Time to Circular
	Traceability Code
	Tracking Camera
TCA	Thrust Chamber Assembly
	Time to Closest Approach
	Translation Controller Assembly
TCAB	Temperature of Cabin
TCC	Test Control Center
	Thermal Control Coating
	Thiokol Chemical Corporation
TCD	Test Completion Date
	Test Control Document
TCE	Thermal Canister Experiment
TCF	Tank Checkout Facility

TCG	Test Control Group
	Time Code Generator
TCI	Technical Critical Item
TCID	Test Configuration Identifier Document
TCMD	Transportation Control and Movement Document
TCN	Test Change Notice
	Transportation Control Number
TCO	Taken Care of
	Test and Checkout
TCOP	Test Checkout Plan(s)
TCP	Task Control Packet
	Test Checkout Procedure
	Test Control Package
	Thrust Chamber Pressure
TCR	Test Compare Results
	Test Conductor
	Test Constraints Review
	Thermal Concept Review
TCRSD	Test and Checkout Requirements Spec. Documentation
TCS	Technical Change Summary
	Technical Concurrence Sheets
	Test Control Supervisor
	Test Control System
	Thermal Control System (Subsystem)
TCSE	Thermal Control Surfaces Experiment
TCSSS	Thermal Control Subsystem Segment
TCTI	Time Compliance Technical Instruction
TCTO	Time Compliance Technical Order
TCU	Tape Control Unit
TCV	Temperature Control Voltage
	Thrust Chamber Valve
TD	Technical Directive
	Terminal Distributor
	Test Director (NASA)
	Time Delay
	Touch Down
TD&SA	Telephone, Data, and Special Audio
TDD	Task Description Document
TDK	Two-Dimensional Kinetics
TDM	Technology Demonstration Mission
	Time-Division Multiplexing (Multiplexer)
TDP	Temperature and Dewpoint
	Tracking Data Processor
TDR	Technical Design Review
	Technical Documentation Report
	Test Discrepancy Report
TDRR	Test Data Recording and Retrieval
TDRS	Telemetry Downlist Receiving Site
	Tracking and Data Relay Satellite
TDRSS	Tracking and Data Relay Satellite System
TDS	Technology Demonstration Satellite
	Test Data System
TDU	Time Display Unit
TDV	Test Data Van
TDY	Temporary Duty
TE	Test Equipment
	Time Earliest/Expected
	Timing Electronics
	Trailing Edge
TEA	Technical Exchange Agreement
	Transversely Excited Atmospheric (laser)
TEC	Test Equipment Center
	Thermal Electric Coolers
TECH	Technical
	Technician
TED	Trailing Edge Down
TELCOM	Telecommunications
TELESAT	TELESAT (Canadian Payload, Communication Satellite)

TEMP	Temperature
	Terminate
	Test and Evaluation Master Plan
	Thermal Energy Management Process
TEMS	Transport Environment Monitoring System
TEOS	Tetraethyl Orthosilicate
TEP	Technical Evaluation Panel
	Test Evaluation Plan
TER	Test Equipment Readiness
	Time Estimating Relationship
TERL	Test Engineer Readiness List
	Test Equipment Readiness List
TERM	Terminate
TESH	Technical Shop
TET	Test Evaluation Team
TF	Test Facility
	Test Fixture
TFC	Time From Cutoff
TFCS	Triplex Flight Control System (Subsystem)
TFDE	Tank Fluid Dynamics Experiments
TFE	Tetrafluorethylene
	Time From Event
TFF	Time to Free Fall
TFI	Time From Ignition
TFL	Telemetry Format Load
	Time From Launch
TFOV	Total Field of View
TFR	Trouble and Failure Report
TFS	Telemetry Format Selection
TFU	Test Facility Utilization
TG	Ground Systems (KSC Directorate)
	Ground Systems, TS
TGA	Thermal Gravimetric Analysis
	Trace Gas Analyzer
TGH	Tile Gap Heating Effects Experiment
TGO	Time to Go
TGOWG	Teleoperator Ground Operations Working Group
TGS	Rate Gyro Assembly
	Telemetry Ground Station
	Telemetry Ground System
	Triglycine Sulfate
TGSE	Telemetry Ground Support Equipment
TGSS	Thermal Gradient Sensor System
TGT	Target
TH	Theodolite
THC	Translation Hand Controller
THDS	Time Homogeneous Data Set
THEO	Theoretical
THERM	Thermal
THOLD	Threshold
THOUS	Thousand
THP	Thrust Horsepower
THS	Hughes Satellite
THROT	Throttle
TI	Information Systems (KSC Directorate)
	Information Systems (TS)
	Technical Integration
	Thermal Phase Intiator
	Training Integrator (Integration)
TIC	Technical Information Center
	Total Item Change
TICM	Test Interface and Control Module
TIDE	Thermal Ion Dynamics Experiment
TIFS	Total In-Flight Simulator
TIG	Time of Ignition
	Tungsten Inert Gas
TII	Tooling Inspection Instrumentation
TIM	Technical Interchange Meeting
	Time Interval Monitor

TIP Thrust Inlet Pressure
Time Interval Processor

TIROS Topographical Infrared Operations Satellite

TIS Test Interface Subsystem

TISRS Tether Initiated Space Recovery System

TISP Teacher in Space Project

TK Tank

TKSC Tsukuba Space Center

TL Traceability Lot
Thrust Level
Time Latest
Transient Load

TLC Telecommand

TLCE Transmission Line Conditioning Equipment

TLD Thermoluminescent Dosimeter

TLM Telemetry

TLS Time Line Sheet
Top Left Side

TLSA Torso Limb Suit Assembly

TLSCP Telescope

TLV Threshold Limit Value
Transporter—Loader Vehicle

TM Member Traceability
Table Maintenance
Technical Management
Telemetry
Time Management
Traffic Model

TMA Technology Mirror Assembly

TMB Transportation Management Bulletin

TMBU Table Maintenance Block Update

TMC Test Monitoring Console

TMF Transporter Maintenance Facility

TMECO Time of Main Engine Cutoff

TMG Thermal Meteoroid Garment

TMI Technical Management Items

TML Total Mass Loss

TMM Thermal Math Model

TMO Test Manufacturing Order
Tool Manufacturing Order

TMP Terminal Panel
Time Mangement Processor

TMPRY Temporary

TMPV Torquemotor Pilot Valve

TMR Timer

TMU Temperature Measurement Unit

TMV Thermal Margin Verification

TN Technical Note

TNL Tunnel

TNT Trinitrotoluene

TO Operations Management (KSC Directorate)
Operations Management (TS)
Takeoff
Task Order
Technical Order

TOC Test Operations Center
Test Operations Change
Total Organic Carbon

TOF Test Operations Facility

TOG Toggle

TOGA Tropical Ocean Global Atmosphere

TOI Transfer Orbit Insertion

TOL Tolerance

TOO Test Operations Order
Threshold of Odor

TOP Technical Operating Procedure
Tether Optical Phenomena

TOPEX Topographical Explorer

TOPS Transistorized Operational Phone System

TOS	Test Operating System
	Transfer Orbit Stage
TOT	Total
TOW	Tank and Orbiter Weight
TP	Test Point
	Test Port
	Test Procedure
	Time to Perigee
	Training Plan
	Transition Period (T.P. preferred)
	True Position
	Turbopump
	Type
TP&C	Thermal Protection and Control
TPA	Test Preparation Area
TPAD	Trunnion Pin Attachment Device
	Trunnion Pin Acquisition Device
TPC	Telemetry Preprocessor Computer
TPDM	Three-Point Docking Mechanism
TPDS	Test Procedures Development System
TPE	Test Project Engineer
TPF	Terminal Phase Finalization (Braking)
	Terminal Phase Finish
	Transfer Phase Final
	Tug Processing Facility
TPI	Terminal Phase Initiation Maneuver
TPITS	Two-Phased Integrated Thermal System
TPM	Technical Performance Measurement (System)
	Terminal Phase Maneuver
	Terminal Phase Midcourse
	Transfer Phase Midcourse
TPM1	Terminal Phase Midcourse #1
TPM2	Terminal Phase Midcourse #2
TPO	Test Program Outline
TPR	Teleprinter
	Test Problem Report
TPS	Test Preparation Sheet
	Thermal Protection Subsystem
	Thermal Protection System (SRB, ET, or Orbiter)
	Twisted Pair Shielded
TPSE	Thermal Protection Subsystem Experiments
TPTA	Transient Pressure Test Article
TPUN	Test Procedure Update Notice
TQM	Total Quality Management
TR	Technical Report
	Technical Review
	Test Request
	Thrust Reverser
	Time to Retrofire
	Transportation Request
TR/SBS	Teleoperator Retrieval/Skylab Boost System
TR1	Payload Furnished Mars Tape Recorder (1 of 2)
TR2	Payload Furnished Mars Tape Recorder (2 of 2)
TRA	Training Requirements Analysis
	Turnaround Requirements Analysis
TRACS	Tool-Record Accountability System
TRAJ	Trajectory
TRANS	Transition
	Translation
TRANSL	Translation
TRB	Technical Review Board
	Test Review Board
TRBL	Troubleshooting
TRCP	Tape Recorder Control Panel (L10)
TRD	Test Requirements Document
TREM	Tropical Rainfall Explorer Mission

TRF Tuned Radio Frequency
TRIPS Travel Information Processing System
TRIS Trapped Ions in Space
TRK Track
TRKR Tracker
TRL Test Readiness List
TRN Trunnion
TRNG Training
TRQ Torque
TRR Test Readiness Review
TRRB Test Readiness Review Board
TRS Teleoperator Retrieval System
Time Reference System
Top Right Side
Troubleshooting Record Sheet
Tug Rotational System
TRSD Test Requirements Specification Document
TRUN ANG Trunnion Angle
TS Traceability Serial
Technical Support (KSC Directorate)
Telescope Scientist
Tensile Strength
Test Site
Test Stand
Test Station
Time Scheduled
Timing System
TSA Test Start Approval
TSAC Tracking System Analytical Calibration
TSB Temporary Stowage Bag
Twin Sideband
TSC Test Setup Complete
Test Support Coordinator
Two-Stage Command
TSCION TSC I/O Number
TSCO Test Support Coordination Office
Test Support Coordinator
TSCP Training Simulator Control Panel
TSD Test Start Date
TSE Transportation Support Equipment
TSGP Test Sequence Generator Program (ESTEC)
TSLD Troubleshooting Logic Diagram
TSM Tail Service Mast
Trade Study Management
TSO Time Sharing Option
Time Since Overhaul
TSP Test Software Program
Twisted Shielded Pairs (Cables)
TSR Technical Status Review
Test Status Report
Tumbling Satellite Recovery
TSRA Total System Requirements Analysis
TSS TAPS Support System
Time Sharing System
TPS Summary Sheet Control
Tug Structural Support
TSSU Test Signal Switching Unit
TST Technical Support Team
Test
TSU Thermal Structural Unit
Time Standard Unit
TSW Test Software
Test Switch
TT Terminal Timing
Thrust Termination
Total Temperature
Total Time
TT&C Tracking Telemetry and Control
TTA Thermomechanical Test Area
Time to Apogee
TTB Technology Test Bed

TTC	Telemetry, Tracking, and Command
	Time to Circularize (Orbit)
	Tunnel Thermal Control
TTCA	Thrust Translation Controller Assembly
TTCV	Tracking Telemetry, Command, and Voice
TTE	Time to Event
TTEL	Tool and Test Equipment List
TTG	Time to Go
TTL	Transistor-Transistor Logic
TTLM	Through-the-Lens Light Metering
TTP	Time to Perigee
TTU	Timing Terminal Unit
TTV	Termination, Test, and Verification
TTY	Teletype
TU	Technical Utilization
	Technology Utilization
	Transport Unit
TUL	Tula Peak, NM (STDN site)
TURB	Turbine
TV	Television
	Thermal Vacuum
	Thrust Vector
	Transport Vehicle
TVA	Thrust Vector Alignment
TVAR	Test Variance
TVC	Thermal Vacuum Chamber
	Thrust Vector Control
TVCA	Thrust Vector Control Actuator
TVCD	Thrust Vector Control Driver
TVCS	Thrust Vector Control System
TVEXPIS	TV Experiment Interconnecting Station
TVN	Test Verification Network
TVOPS	Television Operations Controller
TVP	Test Verification Program
TVS	Toxic Vapor Suit
TVSA	Thrust Vector Control Servoamplifier
TVSSIS	TV Subsystem Interconnecting Station
TVT	Thermal Vacuum Test
TVTA	Thermal Vacuum Test Article
TW	Tailwind
	Thumbwheel
	Time Words
	Traveling Wave
TWD	Twisted Double Shielded
TWG	Test Working Group
TWL	Total Weight Loss
TWR	Tower
TWT	Traveling Wave Tube
	Trisonic Wind Tunnel (Rockwell)
TWTA	Traveling Wave Tube Amplifier
TWX	Teletype Wire Transmission
TX	Translation Hand Controller X-Axis Direction
	Transmit Channel
TX/RX	Transmitter/Receiver
TY	Translation Hand Controller Y-Axis Direction
TYP	Typical
TZ	Translation Hand Controlller Z-Axis Direction

U

U	Underfloor
	Uranium
U-SB	Unified S-Band
U/C	Under Current
U/D	Update
U/L	Unlink (UPLK preferred)
U/M	Unit of Measure
	Unmanned
	Unscheduled Maintenance
U/O	Used on
U/S	Upper Stage
	Upstream
U/V	Under Voltage
U/W	Used With
UA	Microampere
UAB	University of Alabama in Birmingham
UARS	Upper Atmosphere Research Satellite
UB	Upper Brace
	Utility Bridge
UBE	Universal Bus Exercisor
UBIC	Universal Bus Interface Controller
UC	Unsatisfactory Condition
UCC	Universal Checkout Console
UCD	Urine Collection Device
UCN	Uniform Control Number
UCPU	Urine Collection and Pretreatment Unit
UCR	Unsatisfactory Condition Report
UCS	Uniform Coding System
	Universal Control System
	Utilities Control System
UCTA	Urine Collection Transfer Assembly
UD	Update
UDB	Update Buffer
UDF	Utility and Data Flow
UDL	Updata Link
	Update Link
UDMH	Unsymmetrical Dimethylhydrazine
UDMH/H	Unsymmetrical Dimethylhydrazine Hydrazine Blend
UDOP	Ultrahigh Doppler
UDS	Universal Documentation System
UER	Unique Equipment Register
UF	Microfarad
UFD	User File Directory
UG	Microgram
UHB	User Home Base
UHF	Ultrahigh Frequency
UHV	Ultrahigh Vacuum
UI	Unit of Issue
	User Interface
UIC	User Identification Code
UIO	User Integration Office
UIT	Ultraviolet Imaging Telescope
UKIRT	United Kingdom Infrared Telescope
UL	Underload
	Uplink
	Upper Left (S-Band Antenna)
	Upper Limit
ULA	Fairbanks, Alaska (STDN Site)
ULC	Unpressurized Logistics Center
ULE	Ultralow Expansion
ULEP	Useful Life Extension Program
ULL	Ullage
ULO	Unmanned Launch Operation
ULT	Ultimate
	Ultimate Load Test
ULVIM	Ultraviolet Limb Imaging
UMB	Umbilical
UMBC	Umbilical Cord Cable
UMI	Urine Monitoring Investigation
UMO	Unmanned Orbital

UMS	Urine Monitoring System
UMVF	Unmanned Vertical Flight
UNBAL	Unbalance
UNDK	Undock
UNDV	Undervoltage
UNISAT	United Satellite LTD
UNIV	Universal
UNLCH	Unlatch
UNLK	Unlock
UOF	User Operations Facility
UP	Upper
UPN	Unique Project Number
UPP	User Parameter Processing
UPLK	Uplink
UPS	Uninterruptible Power Supply
	Uninterruptible Power System
	Upright Perigee Stage
UPTLM	Uplink Telemetry
UR	Unsatisfactory Report
	Upper Right
	User Room
URA	Uniformly Redundant Array
	Urine Receptacle Assembly
URD	User Requirements Document
URN	Urine
URT	Upright
US	United States
	Upper Stage
USA	United States of America
	Upper Stage Adapter
USAF	United States Air Force
USAFA	United States Air Force Academy
USB	Unified S-Band
	Upper Side Band
USBE	United S-Band Equipment
USBI	United Space Boosters, Inc.
USBS	Unified S-Band System (Subsystem)
USC	United States Code
USDA	United States Department of Agriculture
USE	User Support Equipment
USEC	Microsecond
USGS	United States Geological Survey
USI	Update Software Identity
USMC	United States Marine Corps
USML	United States Microgravity Laboratory
USMP	United States Microgravity Payload
USN	United States Navy
USNS	United States Navy Ship
USOC	User Support and Operations Center
USR	User Support Room
USRA	Universities Space Research Association
USS	United States Ship
	United States Standard
	Utility Support Structure
UST	United States Testing (Company)
	Universal Servicing Tool
	Universal Standard Time
USV	Upper Stage Vehicle
UT	Umbilical Tower
	Unit Tester
	Universal Time
UT&GS	Uplink Text and Graphics System
UTC	Universal Time Coordinated
	United Technology Center
	Unit Test Cases
	United Technologies Corporation
	Universal Test Console
UTE	Universal Test Equipment
UTIL	Utility
UTLM	Up Telemetry

UTRC	United Technology Research Center
UTS	Ultimate Tensile Strength
	Urine Transfer System
UU	Micromicron (name micron obsolete); use μm (micrometer)
UUT	Unit Under Test
UV	Microvolt (mV)
	Ultraviolet
	Under Voltage (U/V preferred)
UVD	Under Voltage Device
UVF	Unmanned Vertical Flight
UVS	Unmanned Vehicle System
UVSP	Ultraviolet Spectrometer and Polarimeter
UVX	Ultraviolet Cosmic Background Experiment
	Ultraviolet Experiment
UW	Microwatt
UWS	User Work Station

V

V Valve
Velocity
Verb
Voice
Volt
Voltage

V P-P Voltage Peak-to-Peak

V&DA Video and Data Acquisition
Video and Data (Processing) Assembly

V&V Validation and Verification

V-A Vibro-Acoustic
Volt-Ampere

V-BAND 46,000 to 56,000 MCS

V-BAR Velocity Vectory Axis

V-CITE Vertical-Cargo Integration Test Equipment

V-RTIF Vandenberg Real Time Interface

V/A Video/Analog

V/C Vector Control
Velocity Counter

V/H Velocity-to-Height

V/M Velocity Meter

V/V Validation and Verification (also V&V)
Vent Valve

VA Vehicle Accommodations
Velocity at Apogee
Vibroacoustic Test
Volt Ampere

VA/T/VTA Vibroacoustic/Thermal/Vacuum Test Article

VAA Vehicle Assembly Area
Viewpoint Adapter Assembly

VAB Vehicle Assembly Building

VAC Vacuum
Vehicle Assembly and Checkout
Volts, ac

VAD Vandenberg Addendum Document

VAFB Vandenberg Air Force Base

VAK Vertical Access Kit
Vertical Assembly Kit

VAL Valid

VALID Validation

VAN USNS Vanguard (STDN)

VAP Vapor

VAR Variable, Variance, Variation
Verification Analysis Report
Volt Ampere Reactive

VASI Visual Approach Slope Indicator

VAST Versatile Avionics System Tester

VAT Vehicle Acceptance Test
Vibroacoustic Test

VATA Vibroacoustic Test Article

VATF Vibration and Acoustic Test Facility

VC Vector Character
Velocity Counter

VCAP Vehicle Charging and Potential Experiment

VCB Vertical Location of the Center of Buoyancy

VCC Verification Code Counter

VCD Verification Control Document

VCD(S) Vapor Compression Distillation (Subsystem)

VCE Vehicle Cycle Engine
Voice

VCG Vapor Crystal Growth
Vector Cardiogram
Vertical Location of the Center of Gravity

VCGS Vapor Crystal Growth System
VCI Velocity Change Indicator
VCM Volatile Condensable Material
VCN Verification Completion Notice
VCO Voltage Controlled Oscillator (Oscillation)
VCP Vandenberg Contract Report
VCR Verification Complete Reports
Video Cassette Recorder
VCRS Video Compression and Reconstruction System
VCS Verification Control Sheet
Voice Command System
VCT Voltage Control Transfer
VCTR Vector
VCU Video Control Unit
VDA Valve Driver Assembly
Vapor Diffusion Apparatus
Variable Data Area
VDB Verification Data Base
Vdc Volts, dc
VDD Verification Description Document
Version Description Document
VDI Vendor Documentation Inventory
Vertical Display Indicator
VDS Vehicle Dynamics Simulator
VDT Vehicle Data Table
VDU Visual Display Unit
VE Equivalent Velocity
Shuttle Engineering (KSC VBO Directorate)
VECIB Vehicle Engineering Change Implementation Board
VECO Vernier Engine Cutoff
VECP Value Engineering Change Proposal
VEDS Vehicle Emergency Detection System
VEEGA Venus-Earth-Earth Gravity Assist (Trajectory Used for Galileo to Jupiter)
VEEI Vehicle Electrical Engine Interface
VEFCO Vertical Functional Checkout
VEH Vehicle
VEH ID Vehicle Identification
VEI Vehicle End Item
VEL Velocity
VER Verify, Verification
VERIF Verification
VERLORT Very Long Range Tracking Radar
VERN Vernier
VERT Vertical
VF Vertical Flight
Video Frequency
VFE Vendor Furnished Equipment
VFI Verification Flight Instrumentation
VFO Variable Frequency Oscillator
VFR Visual Flight Rules
VFT Verification Flight Test
VGIMU Velocity To Be Gained as Related to IMU Orientation
VGOR Vandenberg Ground Operations Requirement
Vehicle Ground Operation Requirements
VGP Vehicle Ground Point
VGT Vehicle Ground Test
VGVT Vertical Ground Vibration Test
VGX Velocity To Be Gained (Body X-Axis)
VGY Velocity To Be Gained (Body Y-Axis)
VGZ Velocity To Be Gained (Body Z-Axis)
VHAA Very High Altitude Abort
VHF Very High Frequency
VHF/AM Very High Frequency Amplitude Modulator

VHF/DF Vehicle High Frequency Direction Finder

VHSIC Very High Speed Integrated Circuit

VI Internal Velocity

VIA By Means of (By Way of)

VIB Vertical Integration Building
Vibrate, Vibration

VIC Visitors Information Center

VID Video

VIDD Vertical Interval Data Detector

VIL Verified Item List

VIP Verification Integration Plan

VIR Visible Infrared Radar

VIRD Verification Implementation Requirements Document

VIS Verification Information System
Visibility
Visual

VIS/UV Visual/Ultraviolet

VISC Viscosity

ViTS Video Teleconferencing System

VITT Vehicle Integration Test Team

VIU Video Interface Unit

VJ Vacuum Jacketed

VL Expendable Vehicles (KSC VO Dir.)

VLA Very Large Array

VLBA Very Long Base Antenna
Very Long Base Array

VLBI Very Long Baseline Interferometer

VLF Very Low Frequency

VLPS Vandenberg Launch Processing System

VLR Very Low Range

VLS Vandenberg Launch and Landing Site

VLSIC Very Large Scale Integrated Circuit

VLSID Very Large Scale Integrated Device

VLV Value
Valve

VM Virtual Memory
Voltmeter

VMF Vertical Maintenance Facility

VMRR Vendor Material Review Report

VMS Velocity Measuring System

VO Shuttle Operations (KSC Directorate)
Space Vehicle Operations (KSC Dir,)
Vehicle Operations
Velocity Initial
Voice

VOIR Venus Orbiter Imaging Radar

VOL Volume

VOLT-A Voltage Operating Limit Tests-A

VOM Volt-ohm-meter

VOMD VAFB Operations and Maintenance Documentation

VOR VHF Omnidirectional Radio Range

VOR-DME VHF Omni Range-UHF Distance Measuring Equipment

VORTAC VHF Omni Range Tactical Air Navigation
Variable Omni Range Tactical (VOR and TACAN)

VOT VHF Omni Test

VOX Voice Operated Transmitter (Transmission)

VP Shuttle Payloads (KSC VO Dir., see CO, CS, CV)
Vacuum Pump
Verification Polarization
Vertical Polarization
Viewpoint

VPC Vapor Phase Compression

VPF Vertical Processing Facility

VPHD Vertical Payload Handling Device

VPI	Valve Position Indicator
VPK	Volts Peak
VPM	Vehicle Project Manager
VPPA	Variable Polarity Plasma Arc
VR	Variable Reluctance
	Velocity, Relative
	Video Recorder
	Voltage Regulator
	Voltage Relay
VRA	Velocity Referenced Attitude
VRB	VHF Recovery Beacon
VRCS	Vernier Reaction Control System
VREL	Relative Velocity
VRF	Vertical Removal Fixture
VRL	Vertical Recovery Line
	Vertical Reference Line
VRMS	Volts Room Mean Square
VRNR	Vernier
VRR	Verification Readiness Review
VRSD	Verification Requirements and Specification Document
VS	Staging Velocity
	Vestibular Sled (Spacelab D-1 Exp.)
vs	Versus
VSA	Variable Stability Aircraft
	Verification Site Approval
VSB	Vestigial Side Band
VSD	Vertical Situation Display
VSN	Video Switching Network
VSI	Vertical Speed Indicator
	Video Simulation Interface
VSO	Very Stable Oscillator
VSTAG	Vandenberg Shuttle Turnaround Analysis Group
VSWR	Visual Standing Wave Ratio
	Voltage Standing Wave Ratio
VT	STS Processing (KSC VO Dir.)
	Vent
	Verification Test
VT/FT	Verification Test/Flight Test
VTA	Vehicle Test Area
	Vertical Test Area
VTE	Variable Thrust Engine
VTF	Vertical Test Flight
VTM	Vibration Test Module
VTN	Verification Test Network
VTP	Vehicle Test Plan
	Verification Test Plan
	Verification Test Program
VTR	Verification Text Reports
	Video Tape Recorder
VTS	Vandenberg Tracking Station
	Vertical Test Site
	Vertical Test Stand
	Vertical Test System
VTVM	Vacuum Tube Voltmeter
VTX	Vertex
VU	Vehicle Unit
	Vehicle Utility
	Volume Unit
VUV	Vacuum Ultraviolet
VV	Velocity Vector
	Vent Valve
	Vertical Velocity
VVI	Vertical Velocity Indicator
VWFC	Very Wide Field Camera
VWG	Verification Working Group
VX	Velocity Along the X-Axis
VY	Velocity Along the Y-Axis
VZ	Velocity Along the Z-Axis

W

W	Watt
	West
	Wide
	Window
W&B	Weight and Balance
W&C	Wire and Cable
W-G	Water-Glycol
W/	With
W/B	Wideband
W/E	Wing Elevon
W/G	Water/Glycol
W/h	Watt-Hour
W/O	Without
W/S	Work Station
W/T	Wind Tunnel
W/W	Weather
	Wheel Well
	Wrist Yaw
W/WMS	Waste/Waste Mangement System (Subsystem)
WA	Wide Angle
	Work Authorization
WAD	Work Authorization Document
WAD/SO	Work Authorization Document/Shop Order
WAMDII	Wide Angle Michelson Doppler Imaging Inferometer
WAN	Work Authorization Number
WAR	Work Authorization Report
WARN	Warning
WAT	Web Action Time
WB	Waterboiler
	Wet Bulb
	Wide Band
WBC	White Blood Cells
WBDI	Wideband Data Interleaver
WBDS	Wide Band Data Separator
WBR	Work Bench Rack
WBS	Work Breakdown Structure
WBSC	Wide-Band Signal Conditioner
WBT	Wide-Band Terminal
WBTS	Wide-Band Transmission System
WCCS	Window Contamination Control Number
WCCU	Wireless Communications Control Unit
WCDB	Work Control Data Base
WCDDT	Wet Countdown Demonstration Test
WCL	Water Coolant Line
	Water Coolant Loop
WCP	Wing Chord Plane
WCS	Waste Collection System
	Work Control System
	Writable Control Storage
WD	Width
	Wired Discrete
	Word
	Work Days
WEA	Weather
WEFAX	Weather Facsimile
WES	Water Electrolysis System
WETS	Weightless Environment Training System
WF	Wide Field
WF/PC	Wide Field/Planetary Camera
WFC	Wide Field Camera
WFF	Wallops Flight Facility
WFPC	Wide Field Planetary Camera
WG	Wage Grade
	Wave Guide
	Wing
WGS	Water Glycol Service Unit

WHL Wheel
Whr Watt-Hour
WIB When Interrupt Block
WIF Water Immersion Facility
WIN Irwin, Australia
WINDS Weather Information Network Display System
WIP Work in Progress
WISP Waves in Space Plasma
WIX Wait for Index
WL Wavelength
Werkstofflabor (Spacelab D-1 Exp.)
WM Waste Mangement
WMC Waste Management Compartment
WMS Waste Management System
WND Wind
WO Work Order
WOC Work Order Control
WOCE World Ocean Circulation Experiment
WONG Weight on Nose Gear
WORM Write Once-Read Many Technology
WOSE Weather Office in Space Evaluation
WOW Weight on Wheels
Worst on Worst
WOWLON Weight on Wheels Lock on
WP Way Point
Work Package
Working Pressure
Wrist Pitch
WPAFB Wright Patterson Air Force Base
WPC Watts Per Candle
WPD Work Package Description
WPF Work Process Flow
WPG Work Package Grouping
WPI Work Process Indicator
Work Progress Indicator
WPM Words Per Minute
WPMCP Work Package Manpower and Cost Plan
WPP Water Pump Package
Work Package Plan
WPPS Work Package Planning Sheet
WPS Words Per Second
WR Weather Radar
Wrist Roll
WRG Wiring
WRL Wing Reference Line
WRM Water Recovery and Management
WRO Work Release Order
WS Water Servicer
Wind Shield
Work Statement
WSB Water Spray Boiler
WSC Wide-Band Signal Conditioner
WSCC Work Station Control Center
WSD Wide-Band Data
WSGS White Sands Ground Station
WSGT White Sands Ground Terminal
WSM Waste Storage Module
WSMC Western Space and Missile Center
WSMR White Sands Missile Range
WSO Water Servicer Operator
WSSH White Sands Space Harbor
WSTF White Sands Test Facility
WSU Water Servicing Unit
WSWR Variable Standing Wave Ratio (Rate)
WT Watchdog Timer
Weight
Wire Ticket
WTA Wire Traceability and Accountabiilty
WTR Water
Western Test Range
WTR SYS Water System
WTSC Wet Tantalum Slug Capacitor

WTT	Wind Tunnel Test
WUC	Work Unit Code
WUCF	Work Unit Code File
WUSCI	Western Union Space Communications, Inc.
WUPPE	Wisconsin Ultraviolet Photo Polarimeter Experiment
WVCF	Western Vehicle Checkout Facility
WW	Water Waste Wire Wrap
WWMS	Waste Water Management System
WX	Weather

X

X	Times (by, trans-)
X_L	X-Axis of Spacelab
X_O	X-Axis of Orbiter
X_P	X-Axis of Payload
X_S	X-Axis of Solid Rocket Booster
X_T	X-Axis of External Tank
XCVR	Transceiver
XDA	X-Ray Detector Assembly
XDCR	Transducer
XDUCER	Transducer
XFD	Crossfeed
XFER	Transfer
XLTN	Translation
XMM	X-Ray Multimission
XMT	Transmit
XMTR	Transmitter
XNS	Xerox Network Systems
XO	Orbiter Structural Body Reference, X-Axis
XP	Payload Structural Body Reference, X-Axis
XPNDR	Transponder
XRCF	X-Ray Calibration Facility
XRD	X-Ray Diffraction
XRP	X-Ray Polychromator
XRS	X-Ray Spectrometer
XRT	X-Ray Telescope
XSST	X-Ray Spectrometer/Spectrograph Telescope
XTA	X-Ray Telescope Assembly
XTAL	Crystal
XTE	X-Ray Timing Explorer
XUV	Extreme Ultraviolet (also EUV)

Y

Y	Horizontal Axis-Width of Vehicle
	Lateral Acceleration
	Out-of-Plane Position
	Y-Axis
	Y-Axis, Horizontal-Width of Vehicle/Structure
	Yaw
	Out-of-Plane Velocity
	Y-Axis Rate of Change
Y_L	Y-Axis of Spacelab
Y_O	Y-Axis of Orbiter
Y_P	Y-Axis of Payload
Y_S	Y-Axis of Solid Rocket Booster
Y_T	Y-Axis of External Tank
YAR	Yarragadee (STDN Site)
yd	Yard
YP	Yield Pointer
yr	Year
YS	Yield Strength
YSC	Yearly Spares Cost
YST	Yearly Spares Cost
YT	Station Identification Symbol
YV	Deputy for Space Launch Systems
YVC	Directorate of Configuration and Information Management
YVCB	Configuration/Data Management Division
YVGF	Financial Management Division (SD)
YVGR	Requirements and Analysis Division (SD)
YVV	Directorate of Launch Base Operations
YVV-1	Program Safety Office (SD)
YVVE	Engineering Division
YVVI	Inertial Upper Stage (SD)
YVVL	Integrated Logistics Support Division (SD)
YVVO	Operations Division
YVVS	DOD Mission Support Division, JSC (SD)

Z

Z	Impedance
	Normal Acceleration (Load Factor)
	Z-Axis Direction
	Z-Axis Rate of Change
	Zone
	Zulu (Greenwich Mean Time—GMT)
Z_L	Z-Axis of Spacelab
Z_O	Z-Axis of Orbiter
Z_P	Z-Axis of Payload
Z_S	Z-Axis of Solid Rocket Booster
Z_T	Z-Axis of External Tank
ZBB	Zero Base Budget
ZC	Zero Calibration
ZCG	Impedance Cargiogram
ZGT	Zero Gravity Trainer
ZI	Zone of Interior (Continental USA)
ZIF	Zero Insertion Force
ZLV	Z Local Vertical (Payload Bay Toward Earth)
ZO	Station Identification Symbol, Orbiter X-Axis
ZOE	Zone of Exclusion
ZOP	Zero Operational Ajont Code
ZPN	Impedance Cardiogram
	Impedance Pneumogram
ZrO_2	Zirconium Oxide
ZSI	Z Solar Inertial (Payload Bay Facing Away From Sun)

APPROVAL

SPACE TRANSPORTATION SYSTEM AND ASSOCIATED PAYLOADS: GLOSSARY, ACRONYMS, AND ABBREVIATIONS

Compiled By
Management Operations Office
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The information in this report has been reviewed for technical content. Review of any information concerning Department of Defense or nuclear energy activities or programs has been made by the MSFC Security Classification Officer. This report, in its entirety, has been determined to be unclassified.

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